



Columbia University
in the City of New York

BARNARD COLLEGE

CATALOGUE,
1899-1900

ANNOUNCEMENT,
1900-1901

M. C. Brush.

COLUMBIA UNIVERSITY

Columbia University provides both collegiate and university courses, as follows:

I. COLLEGIATE COURSES

- (a) COLUMBIA COLLEGE for men.
- (b) BARNARD COLLEGE for women.
- (c) SCHOOL OF APPLIED SCIENCE for men.
- (d) THE TEACHERS COLLEGE (Collegiate Course).

II. UNIVERSITY COURSES

In a technical sense, the Faculties of Law, Medicine, Philosophy, Political Science, and Pure Science, taken together, constitute the University.

Women who have taken their first degree will be accepted as students of the University on the same terms as men; and as candidates for the degrees of Master of Arts and Doctor of Philosophy under the Faculties of Philosophy, Political Science, and Pure Science, in such courses as have been or may be designated by these Faculties, with the consent of those delivering the courses.

THE FACULTY OF PHILOSOPHY offers advanced courses and opportunities for original research in philosophy and education, Greek and Latin (including archaeology and epigraphy), English, literature, music, and the Germanic, the Romance, and the Oriental languages.

THE FACULTY OF POLITICAL SCIENCE offers advanced courses and opportunities for original research in political and social science, including history and economics and public law.

THE FACULTY OF PURE SCIENCE offers advanced courses and opportunities for original research in mathematics, mechanics, astronomy, physics, chemistry, mineralogy, geology, zoölogy, botany, physiology, anatomy, and bacteriology.

TEACHERS COLLEGE offers courses in the history and philosophy of education and the theory and practice of teaching, leading to appropriate diplomas. It takes academic rank in the University system as a professional school for teachers.

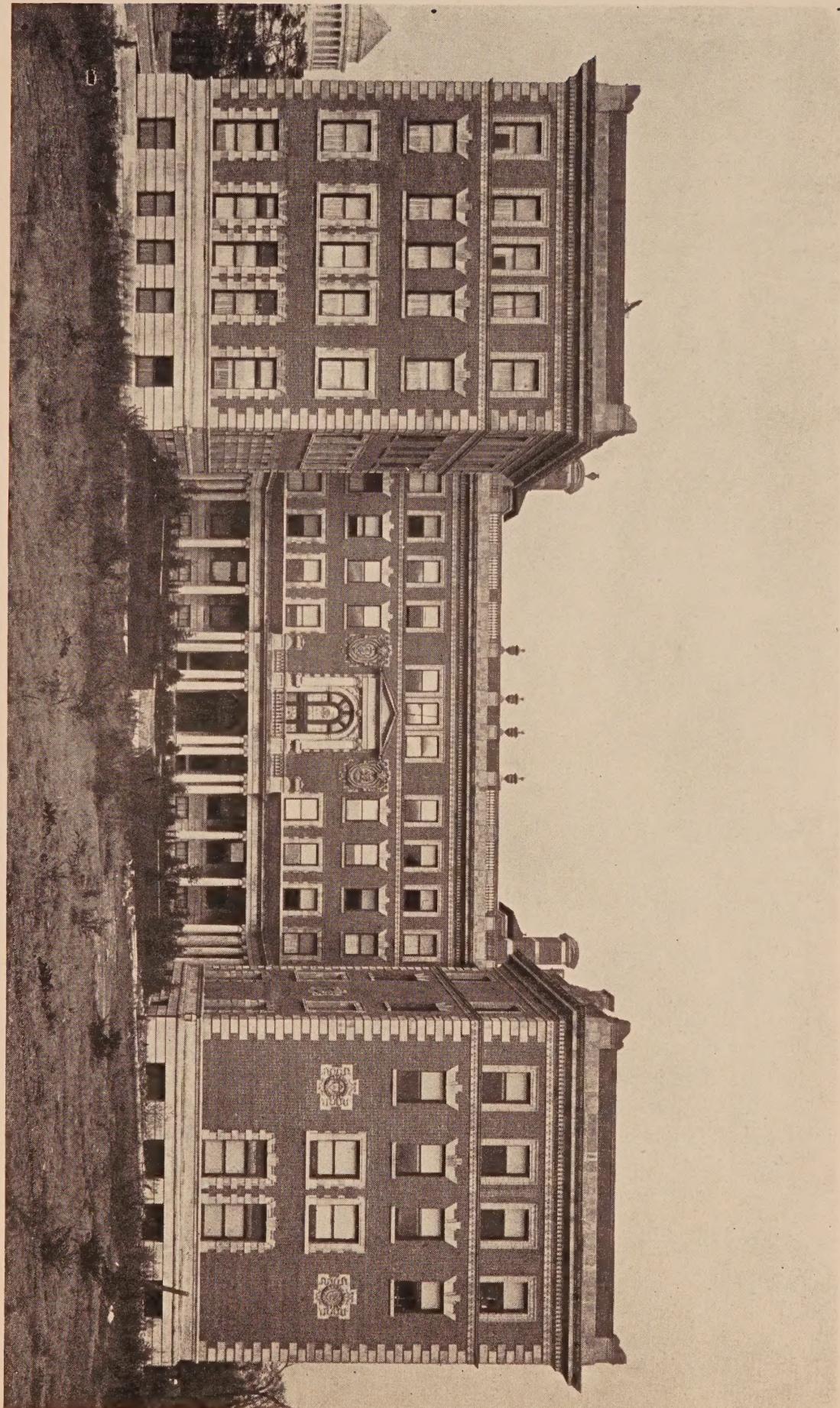
In addition to the regular courses that lead to the several degrees, Columbia University permits such persons as wish to make a serious study of any special branch of knowledge to arrange, according to their stage of advancement, special courses in philosophy, in history, in literature and the languages, and under certain restrictions, in pure and applied science. For permission to take such a special course, the student must show his competency. On the completion of such special course a certificate will be granted by the Faculty under which his principal subject lies.

Information and circulars about any of the above courses may be had by addressing the Secretary of the University. The annual circulars are issued in the spring and are made as accurate as possible, but the right is reserved to change details of work offered, as circumstances require.

The catalogue of the University is published in December, and is sold at twenty-five cents a copy.

June-1900-5000

FISKE HALL



MILBANK HALL

BRINCKERHOFF HALL

(See page 9.)



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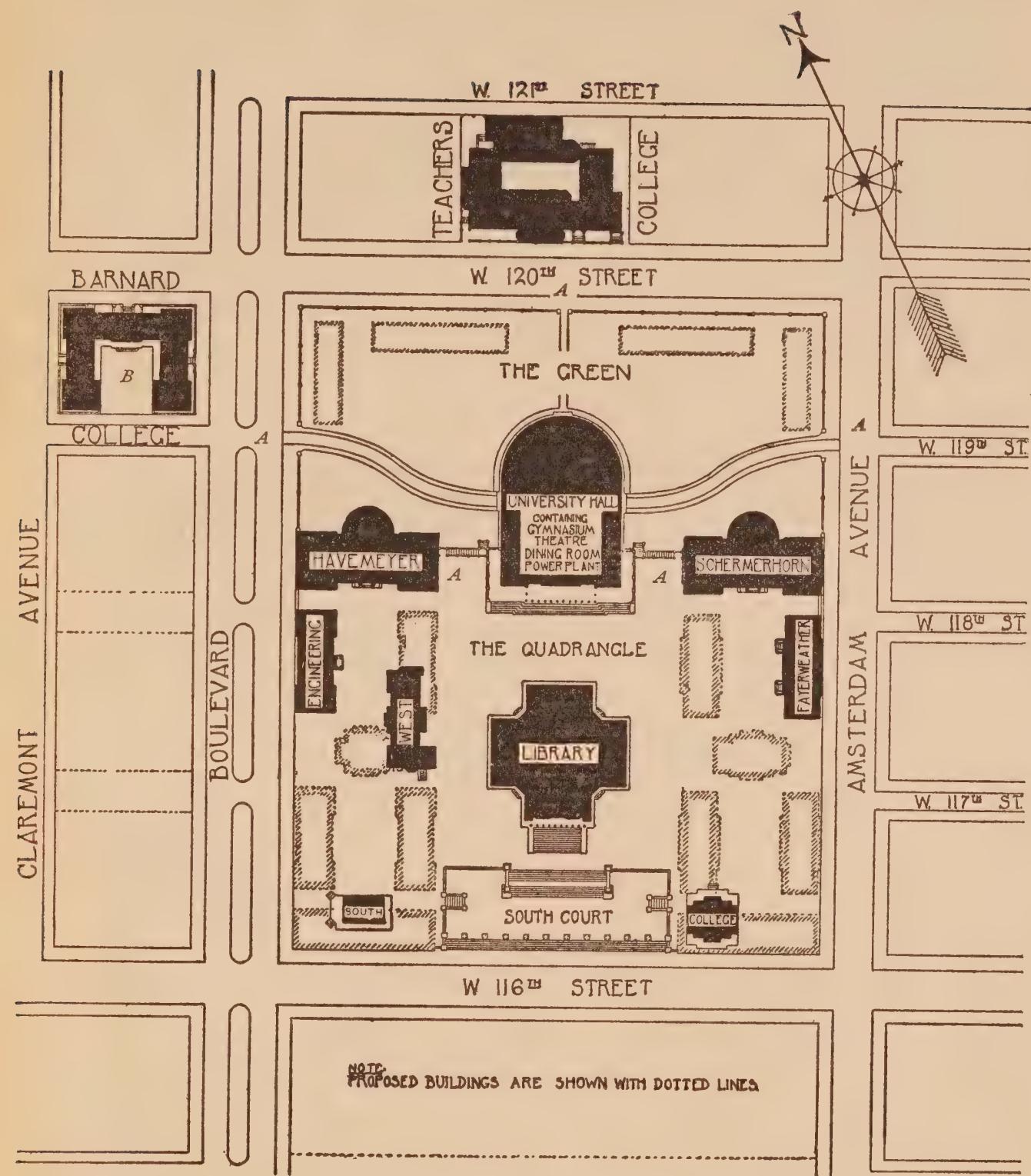
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BARNARD COLLEGE

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June, 1900



PLAN OF THE BUILDINGS AND GROUNDS
COLUMBIA UNIVERSITY.



A — Entrance to University Gymnasium.
B — Entrance to Barnard College Theatre.

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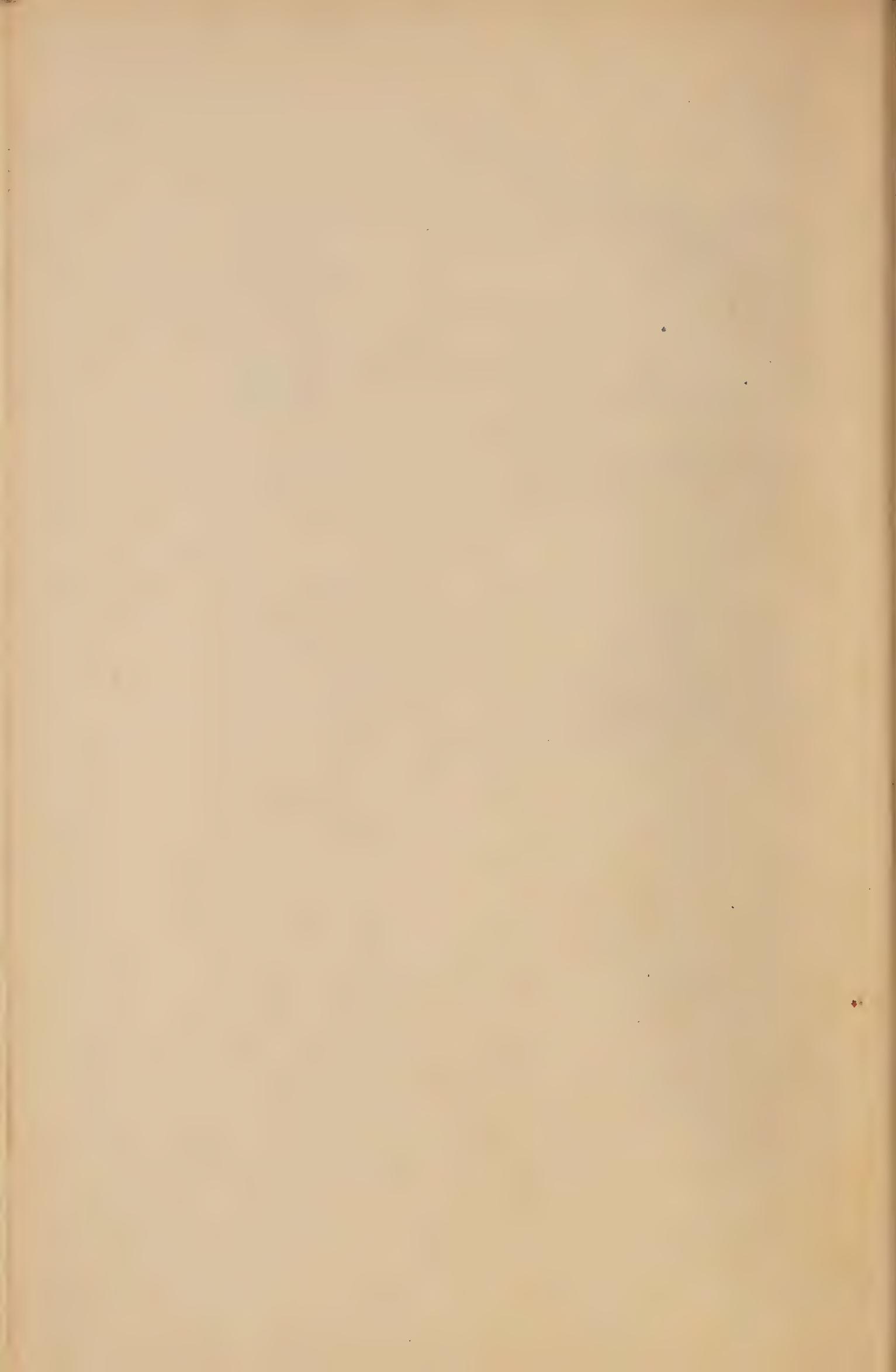
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COMMITTEE ON ADMISSIONS: Professors Earle, *chairman*, Cole, and Trent

COMMITTEE ON SCHOLARSHIPS:

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ANNA E. H. MEYER, A.B., *Assistant Secretary to the Dean*

THE RISE OF BARNARD COLLEGE *

In 1879, fourteen years after the opening of Vassar and six years after the opening of Girton, the late President Barnard set forth in his annual report some reasons in favor of admitting young women to Columbia College. These reasons, he remarked in his next report, "failed to attract the serious attention of the Trustees." Each year, however, he followed them up with fresh arguments, with the history of the advance in women's education in other communities, and with challenges to objectors to show cause why Columbia should not make her resources available to all the youth in her environment.

Uncompromising coeducation was what President Barnard wanted. He objected to isolated colleges for women, because "they cannot, or at least in general will not, give instruction of equal value, though it may be the same in name, with that furnished to young men in the long-established and well-endowed colleges of highest repute in the country." And the affiliated college, of which Girton was at that time the best-known example, seemed to him a cumbrous method of conveying by conduit a stream whose fountain-head should be free to all.

Every year until 1883 he continued to represent to the Trustees and to the public that Columbia was destined to become a university, and that a university merits its name, not merely by providing training for all human faculties, but by putting it at the disposal of all qualified persons. In 1883, many hundreds of citizens residents in New York and the vicinity supported his position by handing to the Trustees a memorial asking for the admission of women to Columbia College on the same terms as men. The Trustees responded by adopting the following resolutions :

Resolved, That this Board declare, as their deliberate and decided opinion, that it is inexpedient to attempt to educate the sexes together at Columbia College.

Resolved, That as to the education of women otherwise than in conjunction with the students of this College, this Board, whatever their opinions may be, are not at present in a condition to provide for it within the College.

Resolved, That this Board deem it expedient to institute measures for raising the standard of female education by proposing courses of study to be pursued outside the College, but under the observation of its authorities, and offering suitable academic honors and distinctions to any who, on examination, shall be found to have pursued such courses of study with success.

* This sketch of the origin and development of the College by its first Dean, Mrs. George Haven Putnam, is reproduced, slightly abridged, from the *Columbia University Quarterly* (June, 1900), with the kind permission of the editors.

Doubtless this action was highly unsatisfactory to the memorialists, nor can it have been encouraging to the President. His ardent wish was to give young women an education ; "suitable academic honors" were not his chief desideratum. But the Trustees said in effect : We are not prepared to educate girls ; if, however, they can contrive to educate themselves, we will certify the fact. The President's next report contained no allusion to the question, and that for 1884 dealt with it only in a brief paragraph, stating that six women had availed themselves of the privilege offered.

The system thus inaugurated and known as the "Collegiate Course for Women," was attended by a simple and obvious result—it pleased no one. The women found it extremely difficult to obtain outside the college such training as would enable them to pass the college examinations ; and the college authorities became reluctant to confer, on the strength of examinations only, degrees which commonly implied daily classroom training as well. Half a dozen women succeeded in taking degrees, and then the system was superseded. It became plain to those interested in the movement that it was necessary to provide an education for women which should be identical with, or equivalent to, that provided by Columbia for men ; and in 1889 Barnard College was organized with this purpose in view. It will be noticed, therefore, that Barnard's relation to Columbia has developed in opposite order to that customary in such cases. Girton and the other English colleges for women began by securing the benefit of instruction by members of the universities with which they were affiliated. The Harvard Annex in this country pursued the same policy. All these colleges are apparently as far as ever from obtaining the degrees of the universities. On the other hand, in the apparently meagre concession of the third resolution quoted above was contained the root of the whole matter. Once having granted its degrees to women, Columbia has felt obliged to see to it that their value was not impaired ; and this feeling has been constantly operative, to the end of giving women the liberal education for which President Barnard strove with so much persistence, chivalry, and logic.

Mrs. Alfred Meyer, who had been a student in the Collegiate Course and had come fully to realize its inadequacy, made an appeal in the *New York Nation*, January, 1888, to public-spirited citizens to coöperate in securing genuine college education for women, in New York. Two months later a meeting of sympathizers with the movement ratified a memorial petitioning the Trustees of Columbia College to permit the opening of an affiliated college for women.

In 1889, with the sanction of the Trustees of Columbia, a provisional charter was granted to Mrs. Francis B. Arnold, the Rev. Dr. Arthur Brooks, Miss Helen Dawes Brown, Silas B. Brownell, Mrs. William C. Brownell, Mrs. Joseph H. Choate, Frederick R. Coudert, Noah Davis, George Hoadley, Hamilton W. Mabie, Mrs. Alfred Meyer, George A. Plimpton, Mrs. John D. Rockefeller, Jacob A. Schiff, Francis Lynde Stetson, Mrs. James S. T. Stranahan, Mrs. James Talcott, the Rev. Dr. Henry Van Dyke, Miss Ella Weed, Everett P. Wheeler, Miss Alice Williams, and Mrs. William Wood, constituting them Trustees of Barnard College. The first chairman of the Board, and the man who from the beginning until his death in 1895 was the chief spokes-

man for Barnard College to the community, was the Rev. Dr. Arthur Brooks. No happier choice could have been made. Dr. Brooks came of scholarly stock ; his love of learning, of fair play, of freedom for development, combined in an enthusiastic support of the ideas for which Barnard stands. His talents and his weight with people of many different ways of thinking gave at once a certain prestige to the work. He used to say that in New York a woman could obtain the satisfaction of every want, wish, or whim save one — she could not get an education, if she wanted it.

The opening of the Harvard Annex in 1881 and of Barnard eight years later was, of course, a manifestation of the growth in this country of the university idea. The generous establishments for women in the Eastern States during the previous twenty years proved, among other things, that at that time the existing colleges for men were not so far developed that there was any great audacity in trying to duplicate them. In Europe it has never been seriously supposed that Oxford or the University of Berlin could be reproduced for women. Forty years ago it seemed not incredible that Harvard might be so reproduced. But within these forty years the idea of concentrating ability and money in a great university here and there instead of scattering it broadcast, the idea of accumulating great university libraries instead of increasing the number of small collections which duplicate each other without rising above mediocrity, has prevailed, with its well-known beneficial effect on American scholarship. In harmony with this idea, Barnard, although in possession of a charter of its own and an administrative autonomy, had the advantage, at the outset, of a close academic connection with Columbia. Instructors at Barnard were chosen from the staff of Columbia or approved by the President thereof. Columbia was responsible for the Barnard examinations, and the papers used at the two colleges were identical save in a few exceptional cases. Barnard students had equal privileges with Columbia students in the University library. In other words, the women of New York had an opportunity given them to receive precisely the same education as their brothers, to hear the same professors, to use the same books, to share the mental breadth that comes of life in a university as distinguished from a college, and were yet spared as undergraduates the problems that arise from coeducation in the narrow sense.

The caution with which both parties to the experiment advanced, and the liberty left to the various faculties of making their own terms of agreement with Barnard, resulted in a certain heterogeneity of relation. In the undergraduate course the instruction at Barnard was, as far as it went, identical with that at Columbia, though it was given to the women separately at Barnard College during the first three years. In the senior year a peculiarity of the Columbia system, by which graduate courses are open to election by seniors, took many of the Barnard students into Columbia classrooms. In 1889 the Faculties of Philosophy and Political Science were authorized by the Trustees to open their courses to auditors, who might be either men or women. Auditors, as such, had no right to examination or other official recognition ; but Barnard students had all such privileges under this general arrangement between the institutions. The Faculty of Philosophy, which has charge of the departments of philosophy and education, and of the Oriental, Greek, Latin, Germanic,

Romance and English languages and literatures, at once used the authority given it by the Trustees and opened a large number of courses to Barnard students.

The Faculty of Political Science did not for several years throw open any of its courses to women, and the history of its relation with Barnard is a very interesting phase of the subject. In 1895 Barnard contributed two professors to the common stock. Estimating the number of lectures to be given by them at six hours a week for each, the Faculty of Political Science furnished Barnard with twelve hours of lectures a week by them and a number of other professors. Both institutions were obviously benefited; for Columbia enlarged its staff, and Barnard had the range of a group of specialists, instead of being confined to its own two professors. Three years later a large number of courses at Columbia under this faculty were open to women graduate students. This arrangement was of the greatest value, since it opened to women unusual advantages in historical, economic, and social study, supplemented by practical work and investigation for which New York offers an exceptional field.

The Faculty of Pure Science received, in 1897, permission to open their courses to auditors, but took no action on it until the following year. In the meantime, an arrangement was made with the Department of Mathematics similar to that with the Faculty of Political Science. Barnard contributed one professor to a total of three, and received her share of their services. In the natural sciences, work in chemistry and zoölogy was done at Barnard under Columbia instructors. In physics a special instructor was secured by Barnard. The Department of Botany was under the charge of the only professor appointed by Barnard who had no connection with Columbia, Professor Emily L. Gregory, Ph.D. In 1898 a large number of lecture courses under this faculty were opened to Barnard seniors and graduates.

Under all these varying conditions, a uniformity of standard was secured by the fact that Columbia awarded all the degrees and established its own requirements, which had to be met by every department. Special students were admitted only to courses in natural science and political science.

The academic administration of the College was placed in the hands of a committee of the Board, whose chairman, Miss Ella Weed, was admirably suited for the work. Her remarkable clearness of view and strength of purpose made her a good director of an experimental enterprise; and she had the fortune to possess, together with sound ideas, the tact requisite to make them prevail. Barnard's problem was two-fold: to recommend itself to Columbia, on the one hand, and to the public on the other. There was, when Barnard opened, very little provision in New York schools for preparing girls for college, and there were constant requests for a relaxation of the entrance requirements in this or that particular. The new College, moreover, attracted the notice of many women of mature years but with insufficient preliminary training, who were with difficulty made to conceive the nature of college and university work. It needed fortitude on the part of the Trustees to insist upon compliance with a rigorous standard, and to be content to see small classes enter, while considerable numbers were turned away. In all these difficulties Miss Weed's ability and temperament were invaluable, and her firmness had much to do with

setting the college in a path which has constantly grown smoother, thanks to her initiative. She served as chairman of the Academic Committee until her death in 1894. In view of the changes necessitated by this loss, the Trustees determined to furnish the College with a formal head, and appointed as the first Dean Miss Emily James Smith, afterwards Mrs. George Haven Putnam, who served until February 1, 1900.

To meet the first expenses of the College a number of persons pledged themselves to the payment of small annual sums for four years. A house was rented at 343 Madison Avenue, which the College occupied until June, 1897. Seven instructors were selected from the Columbia faculty; fourteen students entered in the School of Arts and twelve as special students in science. In the second year a botanical laboratory was equipped by the generosity of the Torrey Botanical Club. Nine additional instructors were appointed. The entry of each new class during the four years of experiment greatly increased the expenses of the College, as it required an enlargement of the teaching staff which the additional fees were far from meeting. Yet at the end of the four years the College found itself free from debt, with a graduating class of eight, seven juniors, ten sophomores, twenty-seven freshmen and thirty-three special students. It had by this time received \$100,000 from Mrs. Van Wyck Brinckerhoff for a building fund, and five \$5000 founderships, but was otherwise without income save from students' fees.

In the spring of 1896 the present site was purchased for \$160,000. Before the autumn of 1897 two buildings were completed, namely: Milbank Hall, the gift of Mrs. A. A. Anderson, and Brinckerhoff Hall, paid for chiefly with Mrs. Brinckerhoff's fund. In the following year Fiske Hall was added by the generosity of Mrs. Josiah M. Fiske. In October, 1898, the sum of \$100,000 was given to the College by an anonymous friend and invested as an endowment fund. From time to time funds have been given to found scholarships, amounting altogether to \$38,000. The sum of \$2400 is paid annually by Columbia in support of the Brooklyn and Curtis scholarships, founded by the Trustees of Columbia in 1895, in recognition of the gift of President Low of a memorial building for the University library. The growth in number of students has kept pace with this material prosperity. Last autumn 312 students matriculated, and of these 77 were graduates.

Barnard's numerical growth has for several years past made inappropriate the informal arrangement for instruction which was the natural method at the outset. Its students form a considerable fraction of the total number of undergraduates under the care of Columbia instructors, and the graduates registered through Barnard have had an appreciable effect upon the university statistics. It became necessary to recognize formally the status which had gradually come into existence, and accordingly an agreement was this year entered into by which Barnard is included in the university system. Its experience in relation to Columbia has differed widely from that of any other affiliated college in relation to its university. Fair-play tempered with generosity has characterized Columbia's attitude from the beginning. The gradual *rapprochement* consummated in the agreement signed last January has proceeded without check. The advance has always been cautious, and, therefore, no retractions have been

necessary. Barnard is an independent college for women, with a corporation and a faculty of its own, vested with all the powers commonly belonging to such bodies. At the same time, it shares the library, the instruction and the degrees of one of the important universities of the world. It is at present the only college in existence of which all these statements can be made.

THE RELATION OF BARNARD COLLEGE TO COLUMBIA UNIVERSITY

According to the agreement made January 19, 1900, between the Trustees of Columbia University and Barnard College, for the purpose of incorporating Barnard College, a college for women, in the educational system of the University, it is provided :

That the President of the University shall be, *ex officio*, President of Barnard College and a Trustee of Barnard College. He shall preside at the meetings of the Faculty of Barnard College and shall have general supervision and direction of the educational administration of such College as in the other schools of the University.

That the internal administration of Barnard College shall be conducted by a Dean, who shall be appointed by the President of the University, by and with the advice and consent of the Trustees of Barnard College. In the absence of the Dean, an Acting Dean may be appointed by the President.

That Barnard College shall be represented in the University Council of Columbia University by its Dean, who shall have the right to vote in the University Council upon all questions. The Faculty of Barnard College shall consist of the President, the Dean, and all the professors on the staff of the University who give instruction in Barnard College.

That Barnard College shall provide for and maintain such officers of instruction as may, from time to time, be agreed on. Such officers shall be nominated by the Dean of Barnard College, with the approval of the Trustees of Barnard College and of the President of the University, and shall be appointed and reappointed by the University according to its custom. Their standing shall be the same in all respects as that of other like officers in the University. —For all services rendered in the University by officers so appointed an equivalent amount of service shall be rendered in Barnard College by other officers of the University of like grade, as may be determined from time to time, with the consent of the officers concerned, by the Dean of the College and the President of the University.

That members of the Faculty of Barnard College may be either men or women.

That, on and after July 1, 1904, all of the instruction for women leading to the degree of Bachelor of Arts shall be given separately in Barnard College. Barnard College will assume as rapidly as possible all of the instruction for women in the Senior year, without regard to the time limit contained in this section, and undertakes to maintain every professorship established at its

instance, so long as the services of the incumbent thereof or an equivalent therefor shall be rendered in Barnard College ; and when Barnard College has adequately provided for its undergraduate work, it will, as its means allow, establish additional professorships in the University, upon foundations providing for courses which shall be open to men and women, to the end that opportunities for higher education may be enlarged for both men and women.

That the University will accept women who have taken their first degree on the same terms as men, as students of the University, and as candidates for the degrees of Master of Arts and Doctor of Philosophy under the Faculties of Philosophy, Political Science, and Pure Science, in such courses as have been or may be designated by these Faculties, with the consent of those delivering the courses, and will make suitable provision for the oversight of such women.

The University will confer the degree of Bachelor of Arts upon the students of Barnard College who shall have satisfactorily fulfilled in Barnard College the requirements of the University Statutes for that degree. The courses in Barnard College leading to the degree of Bachelor of Arts shall be determined and administered by its own Faculty, and all examinations for admission to Barnard College and in course shall be conducted under the authority of the Faculty of Barnard College. The diploma shall be signed by the President of the University and by the Dean of Barnard College. The degree of Bachelor of Arts conferred upon the graduates of Barnard College shall be maintained at all times as a degree of equal value with the degree of Bachelor of Arts conferred upon the graduates of Columbia College. The equivalency of the two degrees shall be maintained in such manner as the University Council may prescribe.

That, so long as this agreement is in force, Barnard College shall grant no degrees. It shall retain the right to grant certificates to students not candidates for a degree, and it shall exercise all other corporate rights and powers which are not delegated to the University by this agreement. But this agreement shall not be deemed a surrender by Barnard College of any powers conferred upon it by charter.

That Barnard College shall retain its separate corporate organization, and that the Trustees of Barnard College shall continue to provide for the financial support thereof.

That the library of the University shall be open to all women students of the University and of Barnard College upon the same terms as to men.

Teachers College

By the terms of an agreement between Columbia University and Barnard and Teachers Colleges, students of Teachers College are permitted to attend courses in Barnard College. This institution offers reciprocal advantages to the students of Barnard College. Courses which are counted toward a Teachers College diploma and are open to Seniors in Columbia College are also open to Seniors of Barnard College.

ADMISSION

The Committee on Admissions has charge of everything relating to this subject.

All students, with the exception specified below (§ 2), must have passed the examination for matriculation.

1. Candidates for the bachelor's degree must have fulfilled the Requirements for Admission, below, and must conform to the regulations governing the Course of Study leading to the degree of Bachelor of Arts (p. 32 ff.). Students who do not wish to proceed to a degree are enrolled as special students; they will, however, in the event of a change of plan, be credited with such of their courses as may coincide with the courses leading to a degree.
2. Special students may be admitted to courses in music without examination in other subjects.
3. Candidates for admission to the Freshman class must, at the time of matriculation, be at least fifteen years of age; and for admission to advanced standing a corresponding increase of age is required; but exceptions to this rule may be made when, in the opinion of the Committee on Admissions, there are sufficient reasons to justify them.
4. Every candidate must, before admission, present a certificate of good moral character from her last teacher, or from some citizen in good standing, and students from other institutions must bring certificates of honorable dismissal.

Requirements for Admission

5. Every candidate for admission to the Freshman class is required at the entrance examinations to offer subjects amounting to fifteen (15) points* as indicated below.

The candidate *must* offer

English (page 16).....	counting 3 points
Elementary Latin (page 21).....	" 4 "
Elementary Mathematics (page 22).....	" 3 "

The candidate may offer any of the following subjects without other restriction than that to offer an advanced subject will involve offering the corresponding elementary subject as well:

* The several subjects are stated in terms of units; the unit is a course of five periods weekly throughout an academic year of the preparatory school; the subjects are assigned units in accordance with the time required to prepare adequately upon them for college entrance.

Elementary Greek (page 19).....	counting 3 points
Elementary History (page 20).....	" 1 point
Advanced Latin (page 22).....	" 1 "
Advanced Greek (page 19).....	" 1 "
Advanced French (page 18).....	" 1 "
Advanced German (page 18).....	" 1 "
Advanced History (page 20).....	" 1 "
Advanced Mathematics (page 22).....	" 1 "
Advanced Physics (page 23).....	" 1 "

The candidate may offer not more than 4 points in all from the three subjects following :

Elementary French (page 17).....	counting 2 points
Elementary German (page 18).....	" 2 "
Spanish (page 24).....	" 2 "

The candidate may offer not more than 2 points in all from the five subjects following :

Elementary Physics (page 23)	counting 1 point
Chemistry (page 16).....	" 1 "
Botany (page 15).....	" 1 "
Physiography (page 24).....	" 1 "
Zoölogy (page 24).....	" 1 "

Entrance Examinations

6. Entrance examinations are held in the College Theatre, beginning on the Monday following the second Wednesday in June, and on the last Monday in September. In 1900 the examinations will begin on June 18th and September 24th respectively ; in 1901, on June 17th and September 30th.

7. The following scheme has been adopted for the entrance examinations in 1900.

Mondays, June 18th and September 24th

10-12.30.....	Algebra, elementary and advanced
2- 4	Geometry, plane and solid
4.30- 5.30.....	Zoölogy

Tuesdays, June 19th and September 25th

9.30-12	Elementary Latin
1.30- 3.30.....	French, elementary and advanced
4- 5.30.....	{ Botany Trigonometry

Wednesdays, June 20th and September 26th

9.30-12	Elementary Greek
1.30- 3.30.....	German, elementary and advanced
4- 5.30.....	Chemistry

Thursdays, June 21st and September 27th

9.30-12	.....	English
1.30- 3.30	.....	Elementary History
4- 5.30	.....	Physics, elementary and advanced

Fridays, June 22d and September 28th

9.30-11	.....	Advanced History
11.30-1.30	.....	{ Spanish Advanced Greek
3-5	.....	{ Physiography Advanced Latin

Candidates must report to the officer in charge at 9.15 A.M. of the day on which they first have to take an examination.

8. The entrance examination is designed to test the ability of the candidate to undertake the course of study, not merely to ascertain the character and the amount of her acquired knowledge.

Specimen question papers used at the entrance examinations in previous years may be obtained from the Dean's secretary upon application.

Application Blank

9. At least one week before the first day of the entrance examinations, a candidate for admission must file with the Bursar an application, endorsed by her principal instructor, containing a definite statement of the subjects which she is qualified to offer. This application, if sent by mail, should be addressed to the Bursar, Barnard College. Blank forms of the application may be obtained from the Bursar.

Candidates dividing their examinations between June and September must file a new application for the September examinations. It will not be necessary, however, for the instructor to endorse the latter application, if he has already certified before the June examinations to all the subjects which the candidate wishes to offer at the September examinations.

In 1900 the applications of all candidates wishing to be examined in June should be filed on or before Monday, June 11th, and those of all candidates wishing to be examined in September should be filed on or before Monday, September 17th. In 1901 the applications of all candidates wishing to be examined in June should be filed on or before Monday, June 10th, and those of all candidates wishing to be examined in September should be filed on or before Monday, September 23d. Applications received after these dates may fail of consideration. *In the case of a candidate expecting to be examined outside of New York, the application must be filed one week earlier.*

Every candidate for admission is required before examination to pay a fee of \$5.00. (See article on Fees, p. 27.) This fee should accompany the candidate's first application for examination. If in the form of a check or money order this should be drawn to the order of Barnard College. A receipt for this fee will be furnished to the candidate, which should be carefully preserved and presented as a credential upon the request of the examiners. A candidate unable to show her receipt may be excluded from the examinations.

Division of Examinations

10. A candidate for admission may present herself in June (but not in September) of the year preceding that in which she proposes to enter, for a preliminary examination. At such an examination she may offer any subject, or numbered part of a subject (see Definitions of Requirements below), in which her principal instructor certifies that she is prepared. Such subjects as she may pass at this preliminary examination will stand to her credit for a period not exceeding sixteen months. Candidates and their instructors are advised that it is in general undesirable to offer the whole of the elementary requirement in English, mathematics, Latin, or Greek in the year preceding admission unless advanced work in the same subject is to be offered the following year.

In the year in which she proposes to enter, a candidate may divide her examinations between June and September (see article 7, p. 13 f.) in whatever manner she may wish.

Definitions of the Requirements in Each Subject

Botany

11. The candidate should have received training by means of the laboratory method in

The structure and the more obvious features of the life-history of at least ten types among the higher seed plants chosen from the more representative families (e. g., Gramineæ, Liliaceæ, Salicaceæ, Ranunculaceæ, Rosaceæ, Leguminosæ, Cruciferæ, Solanaceæ, Labiatæ, Compositæ). In addition to these, the following types are recommended among the remaining lower groups of plants: pine, *Selaginella*, a fern, a moss (*Polytrichum* or *Funaria*), a leafy hepatic, *Marchantia*, a mildew, (*Microsphæra*), an agaric, *Vaucheria*, *Spirogyra*, and a protophyte (preferably *Sphærella*).

Physiology. This work should cover the essential facts concerning irritability, photosynthesis, respiration, digestion, growth, and reproduction.

Ecology. The natural history of plants should receive considerable attention, and the behavior of plants toward environmental factors (especially light and moisture), dissemination, cross and close pollination, and the more important structural and physiological characteristics of plant formations (hydrophytes, halophytes, mesophytes, and xerophytes) should be included.

As in other biological work, it is desirable that elementary physics and chemistry should precede the study of botany or accompany it. As evidence of proper laboratory training and of satisfactory work, the note-book of the candidate should be submitted at the time of the examination. The note-book must bear the endorsement of the teacher, certifying that it is a true record of the candidate's work. If sent by mail, it should be addressed to the Secretary of Columbia University. Candidates desiring the return of their note-books should apply for them after the examination at the office of the Department of Botany.

Chemistry

1. The non-metallic elements, as usually given in high-school text-books.
2. An approved laboratory course of at least forty experiments actually performed at school by the candidate, as given in Remsen's or Armstrong and Norton's laboratory manual.

To fulfil the requirements of laboratory work in chemistry a candidate must submit at the time of the entrance examination in chemistry a note-book containing a record of the experiments which she has performed. The note-book must bear the endorsement of the teacher, certifying that it is a true record of the candidate's work. If sent by mail, it should be addressed to the Secretary of Columbia University. Candidates desiring the return of their note-books should apply for them after the examination at the office of the Department of Chemistry.

English

No applicant will be accepted in English whose work is notably defective in point of spelling, grammar, idiom, punctuation, or division into paragraphs.

1. **Reading and composition.**—The candidate will be required to present evidence of a general knowledge of the subject-matter of the prescribed books, and to answer simple questions on the lives of their authors. The form of examination will usually be the writing of a paragraph or two on each of several topics, to be chosen by the candidate from a considerable number—perhaps ten or fifteen—set before her in the examination paper. The treatment of these topics is designed to show the candidate's power of clear and accurate expression, and will call for only a general knowledge of the substance of the books. In place of a part or the whole of this test, the candidate may present an exercise book,* properly certified by her instructor, containing compositions or other written work done in connection with the reading of the books.

The candidate is expected to read intelligently all the books prescribed. She should read them as she reads other books; she is not expected to know them minutely, but to have freshly in mind their most important parts. In preparation for this part of the requirement, it is important that the candidate shall have been instructed in the fundamental principles of rhetoric.

Candidates offering this part of the requirement as a preliminary subject should be prepared on the books prescribed for the year in which they propose to enter the University, *i. e.*, candidates who are to be examined on part 2 of the English requirement in 1901 should present themselves for examination in 1900 on part 1 of the list for 1901.

The books prescribed for this part of the examination are as follows:

In 1900: Dryden's Palamon and Arcite; Pope's Iliad, Books I, VI, XXII, and XXIV; the Sir Roger de Coverley Papers in the Spectator; Goldsmith's Vicar of Wakefield; Scott's Ivanhoe; De Quincey's Flight of a

* Specific directions with regard to the preparation of such exercise books may be obtained by addressing the Secretary of Columbia University. *The Department does not return the exercise books after the examination.*

Tartar Tribe ; Cooper's Last of the Mohicans ; Tennyson's Princess ; Lowell's Vision of Sir Launfal.

In 1901 and 1902 : Shakspere's Merchant of Venice ; Pope's Iliad, Books I, VI, XXII, and XXIV ; the Sir Roger de Coverley Papers in the Spectator ; Goldsmith's Vicar of Wakefield ; Coleridge's Ancient Mariner ; Scott's Ivanhoe ; Cooper's Last of the Mohicans ; Tennyson's Princess ; Lowell's Vision of Sir Launfal ; George Eliot's Silas Marner.

2. Study and composition.—This part of the examination presupposes the thorough study of each of the works named below. The examination will be upon the subject-matter, the literary form, and the logical structure. The candidate may be required, in addition, to answer questions involving the essentials of English grammar, and questions on the leading facts in those periods of English literary history to which the prescribed works belong.

In connection with the reading and study of the required books, parallel or subsidiary reading should be encouraged, and a considerable amount of English poetry should be committed to memory. The essentials of English grammar should not be neglected in preparatory study.

The books prescribed for this part of the examination are as follows :

In 1900 : Shakspere's Macbeth ; Milton's Paradise Lost, Books I and II ; Burke's Speech on Conciliation with America ; Macaulay's Essays on Milton and Addison.

In 1901 and 1902 : Shakspere's Macbeth ; Milton's Lycidas, Comus, L'Allegro, and Il Penseroso ; Burke's Speech on Conciliation with America ; Macaulay's Essays on Milton and Addison.

French
Elementary

1. The translation at sight of ordinary nineteenth-century prose.

It is important that the passages set be rendered into clear and idiomatic English. It is believed that the power of translating at sight ordinary nineteenth-century prose can be acquired by reading not less than four hundred duodecimo pages from the works of at least three different authors. Not more than one half of this amount ought to be from works of fiction. This number of pages is to include not only prepared work but all sight reading done in class.

2. The translation from English into French of sentences or of a short connected passage, to test the candidate's familiarity with elementary grammar.

Elementary grammar is understood to include the conjugations of regular verbs, of the more frequent irregular verbs, such as aller, envoyer, tenir, pouvoir, voir, vouloir, dire, savoir, faire, and those belonging to the classes represented by ouvrir, dormir, connaître, conduire, and craindre ; the forms and positions of personal pronouns, the uses of other pronouns and of possessive, demonstrative, and interrogative adjectives ; the inflection of nouns and adjectives for gender and number, except rare cases ; the uses of articles, and the partitive constructions.

NOTE.—Pronunciation should be carefully taught and pupils be trained to some extent to hear and understand spoken French. The writing of French from dictation is recommended as a useful exercise.

Advanced

1. The translation at sight of standard French.

It is important that the passages set be rendered into clear and idiomatic English. It is believed that the necessary proficiency in translation at sight can be acquired by reading, in addition to the elementary work, not less than six hundred duodecimo pages of prose and verse from the writings of at least four standard authors. A considerable part of the amount read should be carefully translated into idiomatic English.

2. The translation into French of a connected passage of English prose.

Candidates will be expected to show a thorough knowledge of accidence and familiarity with the essentials of French syntax, especially the uses of tenses, modes, prepositions, and conjunctions.

NOTE.—Careful attention should be paid to pronunciation and to the use of spoken French.

German*Elementary*

1. Translation at sight of a passage of easy prose containing no rare words.

It is believed that the requisite facility can be acquired by reading not less than two hundred duodecimo pages of simple German.

2. The rudiments of grammar, and especially these topics: the declension of articles, adjectives, pronouns, and such nouns as are readily classified; the conjugation of weak and of the more usual strong verbs; the commoner prepositions; the simpler uses of the modal auxiliaries; the elementary rules of syntax and word order. The proficiency of the applicant will be tested by questions on the above topics and by the translation into German of simple English sentences.

NOTE.—Practice in the classroom in pronunciation, in writing German from dictation, and in the use of simple German phrases is recommended.

Advanced

1. Translation at sight of ordinary German. It is believed that the requisite facility can be acquired by reading, in addition to the amount mentioned under elementary German, at least five hundred pages of classical and contemporary prose and poetry. It is recommended that not less than one half of this reading be selected from the works of Lessing, Schiller, and Goethe.

2. Grammar. In addition to a thorough knowledge of accidence, of the elements of word-formation, and of the principal uses of prepositions and conjunctions, the candidate must be familiar with the essentials of German syntax, and particularly with the uses of modal auxiliaries, the subjunctive mode and the infinitive. The proficiency of the applicant will be tested by questions on these topics, and by the translation into German of easy, connected English prose.

NOTE.—Preparation for the advanced examination by candidates already thoroughly prepared for the elementary examination should occupy at least five recitation periods a week in the last year of the preparatory school, or an equivalent amount of work otherwise distributed. The grammar should be made the subject of careful study, and its rules should be applied in the classroom work by frequent practice in writing connected German, either in the form of paraphrases and abstracts of matter read, or in the form of independent translation of very easy English.

Greek

Elementary

1. Grammar and Attic prose.

A thorough knowledge of the common forms, idioms, and constructions and of the general grammatical principles, of Attic Greek prose, to be tested by an examination on a prescribed portion of Xenophon (for the next four years, Xenophon's *Anabasis*, Books I and II). This test is to consist in part of questions, in part of simple sentences set for translation into Greek; it may include also translation from Greek into English.

Translation at sight of a passage adapted to the proficiency of those who have read not less than 130 Teubner pages of Attic prose. The candidate is expected to show in her translation accurate knowledge of the forms and structure of the language, and an intelligent comprehension of the whole passage.

2. Homer.

Ability to translate a passage from some prescribed portion of the Homeric poems (for the next two years, *Iliad*, Book I and Book II, vv. 1-493), and to answer questions designed to test the candidate's understanding of the passage, as well as questions upon poetic forms, construction, and prosody.

Ability to translate at sight a passage of ordinary difficulty from the *Iliad* or *Odyssey*, with the aid of a vocabulary of the less usual words.

3. Composition.

Ability to translate into Attic prose a passage of connected English narrative, employing the more common words and constructions of some prescribed text. (For the next four years a candidate will be allowed her choice between a passage based on Xenophon's *Anabasis*, Books I and II, and a passage based on Xenophon's *Cyropaedia*, Book I, Chaps. I to V, inclusive.)

NOTE.—Throughout the preparatory course pupils should be constantly guided in proper methods of reading, and should be trained to read the Greek understandingly, as Greek, before attempting to render it into idiomatic English. There should also be constant practice in reading aloud, with due expression, and in hearing the language read. It is further recommended that the study of composition should be continued through the entire period of preparation.

Advanced

Candidates offering Greek as an advanced subject must present the equivalent of the course known as Greek B. In Homer, for which no equivalent will ordinarily be accepted, the minimum requirement will be 1600 lines in addition to the amount offered for the elementary examination. The candidate must also offer the eight orations of Lysias in Morgan's edition, or an equivalent amount of similar Greek, and in prose composition at least twenty exercises in the writing of connected narrative prose. The exercises in Part III of Allinson's *Greek Prose Composition* will show the grade of preparation demanded.

History*Elementary*

Candidates offering history as an elementary subject may present themselves for examination either upon Greek and Roman history or upon English and American history. They will not be permitted to offer both of these groups as elementary subjects.

First Group :

1. Greek history to the death of Alexander, with due reference to Greek life, literature, and art.
2. Roman history to the accession of Commodus, with due reference to literature and government.

Second Group :

3. English history, with due reference to social and political development.
4. American history with the elements of civil government.

NOTE.—For preparation in each of the two historical fields offered, a course of study equivalent to at least three lessons a week for one year will be needful. On examination a candidate must show such general knowledge of each field as may be acquired from the study of an accurate text-book of not less than three hundred pages. Since, however, the examination will be so framed as to require comparison and the use of judgment rather than mere exercise of memory on the part of the pupil, it is recommended that the teacher prescribe a course of supplementary reading of not less than five hundred pages dealing with the more important periods and events in both of the historical fields offered. Geographical knowledge will be tested by requiring the location of places and movements on an outline map.

Advanced

Any one of the four courses which follow :

1. Greek history to the destruction of Corinth, and Roman history to the death of Constantine. (Open to candidates only who have offered English and American history as an elementary subject.)
2. English and American history. (Open to candidates only who have offered Greek and Roman history as an elementary subject.)
3. European history from the Germanic conquests to the beginning of the seventeenth century.
4. A year's study of any one of the four historical fields defined under Elementary History and not already offered by the candidate, together with a year's detailed study of a limited period within that field (*e. g.*, the Spartan and Theban supremacies, the period of the Punic wars, the Stuart period, the transition from the American colonial to the federal system) selected with the approval of the Department of History.

The examination in the second part of 4 will be specially adapted to the particular period selected.

In every case the candidate must show on examination such an acquaintance with the whole field as may be gained from the study of good text-books together with substantial parallel readings, and such a detailed knowledge of some part of the field as may be gained from suitable topical study.

As further evidence of proficiency, satisfactory written work, done at school and duly certified by the teacher as to independent preparation, must be submitted. It must be presented in the form of a note-book, or bound collection of notes, containing not less than five thousand words on each historical field offered, and must show practice in some of the following exercises :

- (a) Notes and digests of reading outside of the text-books.
- (b) Written recitations requiring the use of judgment, and the application to new questions of knowledge already gained.
- (c) Written parallels between historical characters, events, or periods.
- (d) Brief studies of topics limited in scope, prepared outside the classroom and illustrated by some reference to contemporary material.
- (e) Historical maps or charts showing explorations, migrations, conquests, territorial changes, or social phenomena.

The written work must be sent to the Secretary of Columbia University, two weeks before the entrance examinations begin.

Latin

Elementary

1. Cicero and Latin grammar.

The translation of passages selected from the portions of Cicero specified in 1 (c) (see Note below), with questions designed to test the candidate's understanding of the passages, and also questions on the subject-matter. The translation at sight of passages of not too great difficulty selected from other portions of Cicero's speeches. A thorough examination upon a prescribed portion of Cicero's speeches (for 1900, the 2d, 3d, and 4th orations against Catiline), directed to testing the candidate's mastery of the ordinary forms, constructions, and idioms of the language.

2. Virgil.

The translation of passages selected from the portions of Virgil specified in 1 (d) (see Note below), with questions designed to test the candidate's understanding of the passages, and also questions on the subject-matter. The translation at sight of passages of not too great difficulty selected from other portions of Virgil.

3. Other authors (simple Latin at sight).

The translation at sight of passages selected from Nepos, Cæsar, and Ovid (see Note below), or from other prose and verse of no greater difficulty. In connection with the passages set for translation, questions may be asked on ordinary forms, constructions, and idioms, and also questions designed to test the candidate's understanding of the passages.

4. Latin prose composition.

The translation into Latin prose of a passage of connected English narrative. The passage set for translation will be based upon some portion of the prose works specified in the Note below and will be limited to the subject-matter of those works. The proficiency of the candidate will

also be tested by her ability to translate into Latin short English sentences involving the use of ordinary constructions and idioms.

NOTE.—The preparatory course, on which the examinations will be based, is defined as follows:

1. The course should include:
 - (a) Easy reading, included in or following a suitable introductory book, amounting to from 30 to 40 pages (the pages of the more recent Teubner text editions are taken as a standard in this statement);
 - (b) Nepos and Cæsar, 90 to 120 pages;
 - (c) Cicero, the speech on the Manilian Law, the four speeches against Catiline, and either the speech for Archias or the Fourteenth Philippic, with additional speeches at the option of the teacher, 90 to 120 pages in all;
 - (d) Virgil, *Aeneid* I-VI, with additional selections from Ovid and Virgil at the option of the teacher, 6000 to 8000 verses in all.
2. Throughout the preparatory course pupils should be constantly guided in proper methods of reading, and should be trained to read the Latin understandingly, as Latin, before undertaking to render it into idiomatic English. There should also be constant practice in reading aloud, with due expression, and in hearing the language read.
3. After the completion of the introductory lessons, a systematic study of Latin grammar, with practice in writing Latin, should be maintained throughout the course.

Advanced

Candidates offering Latin as an advanced subject must present the equivalent of the course known as Latin A. This course comprises the reading of Cicero's *De Senectute*, a review of the syntax of the verb as contained in any standard grammar, and a knowledge of prose composition as represented by the second part of Daniells's *New Latin Composition*; also the reading of the first and third books of the *Odes* of Horace, with a satisfactory knowledge of the prosody.

Mathematics

Elementary

1. Algebra to quadratics.

Factors, common divisors and multiples, fractions, equations of the first degree with one or more unknown quantities, evolution, the doctrine of exponents, radicals, radical equations reducible to equations of the first degree, and putting problems into equations.

2. Algebra from quadratics.

Quadratic equations, equations with one or more unknown quantities that can be solved by the methods of quadratic equations, problems depending upon such equations, ratio and proportion, and the binomial theorem for positive entire exponents.

3. Plane geometry.

Plane geometry, including the solution of simple original exercises and numerical problems.

Advanced

Candidates offering mathematics as an advanced subject may in 1900 present themselves for examination upon either of the following alternatives. The first alternative is the equivalent of the College course Mathematics A. The second alternative will be withdrawn after the examinations of 1900.

First Alternative

1. Solid geometry.

Solid and spherical geometry, including the solution of simple original exercises.

2. Algebra.

The properties and general theory of the quadratic equation, arithmetical and geometrical progressions, the principle of undetermined coefficients, including its application to partial fractions and series, and the elementary principles of logarithms.

3. Plane trigonometry.

The elementary principles of logarithms, the use of tables of logarithms of numbers and of logarithms of trigonometric functions, and the solution of right-angled and oblique-angled plane triangles.

Second Alternative

1. Algebra.

Quadratic equations of one and two unknown quantities and equations solved like quadratics, ratio and proportion, variation, arithmetical and geometrical progressions, the principle of undetermined coefficients, including its application to series and partial fractions, variables and limits, convergency of series, the binomial theorem for fractional and negative exponents, logarithms, including the exponential and logarithmic series, permutations, and combinations. [Equivalent of these topics as treated in the College Algebra of Wentworth or of Wells.]

2. Geometry.

Volumetric and spherical geometry. [Equivalent of Davies's Legendre, Books VI-IX.]

Physics

Elementary

1. The equivalent of Hall and Bergen's text-book of physics.

2. An approved laboratory course of at least forty experiments actually performed at school by the candidate.

To fulfil the requirement of laboratory work in physics a candidate must submit at the time of the entrance examination in physics a note-book containing a record of the experiments which she has performed. The note-book must bear the endorsement of the teacher, certifying that it is a true record of the candidate's work. If sent by mail, it should be addressed to the Secretary of Columbia University. Candidates desiring the return of their note-books should apply for them after the examination at the office of the Department of Physics.

Advanced

Candidates offering physics as an advanced subject must have studied physics for a full year after satisfactorily completing the elementary requirement. The work during this time must be devoted to a more thorough and extensive study of the subjects previously covered in a general way. Besides class-work, it must include at least sixty experiments actually performed in the laboratory by the candidate. A laboratory note-book must be

submitted at the time of the examination. It must contain a certificate from the teacher that it is a true record of the candidate's work. It will be returned to the candidate upon subsequent application to the Department of Physics.

Physiography

1. The equivalent of Davis's Physical Geography.
2. An approved laboratory and field course of at least forty exercises actually performed by the candidate.

The examination in physiography will consist of both a written and a practical test. The practical test will include the description, explanation, and comparison of geographical features shown in photographs, maps, and models. On this account *the examination in physiography will be held only in New York*. The candidate will be required to present at the time of her examination the original note-book in which she recorded, with dates, the steps and results of the observations which she made at school. This book, which should contain an index of subjects, must bear the endorsement of the teacher, certifying that it is a true record of the candidate's work.

Spanish

1. The translation at sight of ordinary Spanish prose.

It is important that the passages set be rendered into clear and idiomatic English. It is believed that the power of translating at sight ordinary prose can be acquired by reading not less than four hundred duodecimo pages from the works of at least three different authors. This number of pages is to include not only prepared work but all sight reading done in class.

2. The translation from English into Spanish of sentences or of a short connected passage, to test the candidate's familiarity with elementary grammar.

Elementary grammar is understood to include the conjugation of regular and auxiliary verbs, and of the most frequent irregular verbs, such as *audar, creer, decir, hacer, ir, poder, poner, querer, saber, sentir, tener, venir, ver*; the forms and positions of personal pronouns, the uses of possessive, demonstrative, and interrogative pronouns and adjectives; the inflection of nouns and adjectives for gender and number; the principles of agreement and of simple phrase construction.

NOTE.—Pronunciation should be carefully taught and pupils be trained to some extent to hear and understand spoken Spanish. The writing of Spanish from dictation is recommended as a useful exercise.

Zoölogy

In general, zoölogy is not recommended as an entrance subject unless the study has been preceded or accompanied by that of physics and chemistry, which form the most desirable groundwork for collegiate courses in biology. The entrance examination in zoölogy is designed to test, first, the candidate's practical acquaintance with the natural history, structure, and relationships of

some of the leading types of animals, and, second, her knowledge of the more essential facts of physiology.

Practical Zoölogy. A practical examination on at least ten common animal types, and the presentation by the candidate of a laboratory note-book, certified by the teacher, as evidence of a laboratory course actually performed. Examples of the types suggested are the frog, fish, mollusk, insects, crustaceans, annelid, starfish, hydroid (*Hydra*), and protozoan. In the examination less weight is laid on a knowledge of anatomical details than on the ability to recognize the specimen and its allies, to indicate its relationships, and to point out the leading features of its life-history, organization, and physiology.

Elementary Physiology. The nature of foods and their history in the body ; the essential facts of digestion, absorption, circulation, secretion, excretion, and respiration ; the motor, nervous, and sensory functions ; and the structure of the various organs by which these operations are performed. Martin's *Human Body* (briefer course) forms a suitable basis for this work ; but teachers are recommended as far as possible to correlate the physiology of man and the higher animals with that of the lower forms studied in the course on practical zoölogy.

Examinations outside of New York

12. The University Committee on Entrance Examinations is authorized to make arrangements whereby examinations for admission to the Freshman class may be held, when applied for, in other cities than New York. Such examinations are permitted only at the appointed examination time in June, and must be held at schools or other institutions previously designated by the University Committee on Entrance Examinations. Applications to hold such examinations must be made not later than May 15th of the same year.

Certificates in Lieu of Entrance Examinations

13. Barnard College accepts, in lieu of its entrance examinations, no credentials of any sort except the Regents' Academic Diploma * and the certificates of universities and colleges in good standing. These credentials are accepted only for the ground which they specifically cover.

All certificates offered in lieu of entrance examinations must be sent to the chairman of the Barnard College Committee on Admissions, at least one week before the first day of the entrance examinations. The names of those candidates whose certificates are accepted in whole or in part will be posted on the Bulletin Board at least one day in advance of the beginning of the examinations.

* Every Regents' Academic Diploma is considered as covering the entrance requirement in English. No Regents' Academic Diploma will be accepted in lieu of the entrance examination in French unless it covers the complete three-years high-school course in French recognized by the Regents. Similarly, no Regents' Academic Diploma will be accepted in lieu of the entrance examination in German unless it covers the complete three-years high-school course in German. A Regents' Academic Diploma, to be accepted in lieu of all parts of the examination in Latin or of the examination in Greek, must specifically cover, among other things, sight reading and prose composition. In the case of the natural sciences, a Regents' Academic Diploma will not be accepted for the required laboratory work. No diploma granted more than two years before the applicant presents herself for matriculation will be accepted.

The separate pass-cards, the Academic Equivalent Certificate, and the several other certificates issued by the Regents of the State of New York, are not accepted by the College in lieu of the examinations.

The certificates of the preparatory or high-school departments of universities and colleges are not accepted by the College.

Candidates must take the regular entrance examinations in the subjects in which their certificates are not deemed adequate.

Report of Entrance Examinations

14. The Committee on Admissions will report to the Dean not later than one week after the conclusion of the entrance examinations in June the names of those candidates who, having passed a satisfactory examination, may be admitted with or without conditions, of those who must present themselves for re-examination in September, and of those who have been rejected.

The Committee on Admissions will report to the Dean not later than one week after the conclusion of the entrance examinations in September the names of those candidates who, upon a final showing, may be admitted with or without conditions, and of those who have been rejected.

Except for reasons of weight, satisfactory to the Committee on Admissions, the results of an entrance examination will not be allowed to stand to the credit of a candidate for a longer period than sixteen months.

Admission to Advanced Standing

15. Candidates for admission from other colleges, and those desiring to be admitted to advanced standing on examination, must make application in writing to the Barnard College Committee on Admissions. Proper blanks for the purpose may be obtained from the Dean's Secretary. The application should be made at least one week before the first day of the September entrance examinations.

Every candidate for admission to advanced standing must show that she has attained proficiency in the equivalent of

1. The requirements for admission to the Freshman class.
2. All the prescribed studies already pursued by the class to which she seeks admission.
3. As many elective studies as she would have pursued if she had entered the class at the beginning of the Freshman year.

A candidate may be admitted notwithstanding deficiencies in some of these studies, but no candidate will be recommended for the A.B. degree until she shall have brought all her studies up to the point required for that degree.

Every candidate from another college is required to furnish official statements of her record in her various college studies, and letters or other evidence showing the opinion of her instructors in regard to her scholarship and character. She should also submit a catalogue or announcement of the college that she leaves, in which are plainly marked every requirement for admission and every course of instruction for which she has received credit.

No applicant will be allowed to enter the Senior class as a candidate for the degree of Bachelor of Arts after October 15th in any year.

Entrance Conditions and Probation

16. Students admitted conditionally to the Freshman class at the beginning of the academic year will be held under probation till the end of the first half-year.

Not later than Tuesday of the second week following the Christmas holidays, the head of each department in which students on probation attend will make to the Dean a special report of progress in the case of each such student. The Dean will, as soon as practicable, and not later than the end of the half-year, decide as to each student on probation whether she shall be dropped from the roll of the College, or have her period of probation extended.

17. If any member of the Freshman class shall receive at the mid-year or the concluding examination a grade in scholarship of C, or higher, in any department, this grade will be regarded as removing any entrance condition that may be recorded against her in that department.

Any member of the Freshman class conditioned at entrance must make good by examination every condition that is not removed under the operation of the foregoing provision. She should present herself for this purpose at the entrance examinations in June or September of the year following her admission. The College holds no special examinations to enable students to remove entrance conditions.

18. No student will be admitted to the Sophomore class until she shall have removed all her entrance conditions.

REGISTRATION AND MATRICULATION

19. All students are required to present themselves at the office of the Bursar for registration on the Wednesday, Thursday, Friday, or Saturday of the week preceding the first Monday in October of each year. Enrolment at a later date is permitted only to those who obtain the consent of the Dean, good cause for the delay having been shown. Registration will cease on the fourth Saturday in October. The presence of all students is required on the day immediately following the close of all vacations and recesses.

20. After filling in the blank provided for the purpose, students must present the same, with the proper fee, to the Bursar, who will issue a receipt. Without this receipt no student will be permitted to attend any college exercise.

Students just entering must file in the Dean's office, at the time of registration, a statement of the elective courses chosen by them.

21. Every student holding a scholarship or receiving the benefit of free or reduced tuition must obtain from the Dean a certificate to that effect. This certificate must be handed to the Bursar at the time of registration.

FEES**Academic Fees**

22. Every candidate taking the entrance examination is required to pay an examination fee of \$5 at the time when she first presents herself for examination.

On entering Barnard College every student is required to pay a matriculation

fee of \$5. In the case of candidates for admission to the undergraduate department, this fee is covered by the entrance examination fee.

The annual tuition fee of every regular student is \$150, payable in two equal instalments, one at the opening of the College in October, one on the opening day of the second half-year in February. Attendance upon courses is not permitted until the tuition fee has been paid.

Special students are charged at the rate of \$15 a year for each hour a week of attendance upon the courses elected, with a maximum fee of \$150. In laboratory work two hours are counted as one in estimating the fee.

A deposit of \$5 is required of each student in elementary chemistry, of \$10 in qualitative chemistry, of \$15 in inorganic quantitative chemistry, and one of \$20 in organic chemistry, synthetic or analytic, to cover breakage, the balance to be returned at the close of the College year. The fee required of students of Teachers College taking the course in household chemistry is \$10.

Each student taking courses in zoölogy is charged \$5 to cover the cost of material which she will require in the laboratory.

A fee of \$5 will be charged for every examination held at a period not regularly appointed for that purpose in previous public announcements.

Each candidate for the degree of Bachelor of Arts is required to pay a fee of \$15 before being admitted to the final examinations for the degree.

Dormitory Fees

23. In October, 1898, Fiske Hall was opened as a residence for students. This hall, the gift of Mrs. Josiah M. Fiske, stands on Claremont Avenue, between 119th and 120th Streets, at right angles with Milbank Hall, with which it communicates. Full information in regard to the situation and cost of rooms is published in a separate pamphlet, to be had by application to the Dean's Secretary.

An advance deposit of \$15 must be paid by each student who wishes to secure a room in Fiske Hall. This amount will be credited upon the first term's bill for rent. It will be refunded only in the case of candidates for admission who are rejected by the Committee on Admissions.

The charge for board is \$200. It is payable in two equal instalments, one at the opening of the College in October, and one on the first day of the second half-year in February.

Rent, which varies from \$75 to \$250 per year according to location and character of apartment, is payable in two instalments, one at the opening of the College in October, and one on the first day of the second half-year in February. The charge for both board and rent covers the period from the Saturday before the opening of the College in October to the Saturday after Commencement Day in June inclusive. Students who desire to occupy their rooms during the week preceding the opening of the College may do so by making an extra payment of \$1.50 a day, which will cover both board and rent. Students are required to engage their rooms for the entire academic year, from October to June. No reduction in rent can be made either in the case of students entering after the college year has opened, or in the case of those who

are obliged to withdraw before the end of the year. If, however, the authorities of the College are able to let a room which has been given up, the amount thus received will be paid to the former tenant.

Checks should be payable to the order of Barnard College and should be addressed to the Bursar, Barnard College, New York.

UNDERGRADUATE SCHOLARSHIPS

The Trustees' Scholarship Fund

24. A limited fund is raised annually by the Committee of the Trustees on Scholarships for the aid of worthy students of high rank who have been members of the college at least one year, and who cannot unaided meet the expenses of a college education.

Trustees' Competitive Scholarship

25. A scholarship of \$150 is awarded annually by the Board of Trustees to the student who is examined at the College in June and passes the best complete entrance examination in all subjects. The papers of the students who pass free from conditions are examined by the Committee of the Faculty on Admissions, and the student whose papers as a whole entitle her to first rank is awarded the scholarship.

The Brooklyn Scholarships

26. Twelve scholarships, founded by the Trustees of Columbia University in 1895, in recognition of the gift to Columbia University by President Low of a memorial building for the University library, are open for competition to candidates for admission to Barnard College who are residents of Brooklyn, N. Y., and have received their training in either the public or the private schools of that city. Three of these scholarships will be awarded annually to the three qualified competitors who are examined at Barnard College in June and pass complete entrance examinations in all subjects. The papers of the competitors who pass without conditions will be examined by the Committee on Admissions of the Barnard College Faculty and the three students whose papers as a whole are entitled to the highest rank will receive the scholarships.

Should any recipient desire, she may, while still retaining the title "Brooklyn Scholar," transfer to any properly qualified candidate from Brooklyn the income from the scholarship; and such action on her part will not be made a matter of public record.

Ella Weed Scholarship

27. A scholarship of \$150, founded by former pupils of Miss Annie Brown's School in memory of Miss Ella Weed, who was Chairman of the Academic Committee of the Board of Trustees of Barnard College during the first five years of the existence of the College, is awarded annually to a student who deserves assistance.

Veltin School Scholarship

28. A scholarship of \$150, given by the alumnae of Mlle. Veltin's School, is awarded annually on the same conditions as the Ella Weed Scholarship.

Arthur Brooks Fund

29. A fund of \$5000 was given in 1897 by Miss Olivia E. Phelps Stokes as a memorial of the Rev. Arthur Brooks, D.D., Rector of the Church of the Incarnation and chairman of the Board of Trustees of Barnard College during the first six years of the existence of the College. The interest of the fund is used to aid needy and deserving students of the College.

Mrs. Donald McLean Scholarship

30. A scholarship of \$150, founded in 1898 by the New York Chapter of the Daughters of the American Revolution, is awarded to a student who deserves it, and who agrees to pursue the study of history (chiefly that of the United States) continuously throughout her course. The scholarship is awarded annually by the Committee on Scholarships of the Faculty in conference with the representatives of the New York Chapter of the Daughters of the American Revolution.

Jennie B. Clarkson Scholarship

31. A scholarship of \$150, founded in 1898 by Mrs. W. R. Clarkson, is awarded annually to a student who deserves assistance.

Lucille Pulitzer Scholarship

32. A fund of \$10,000 was given in 1899 by Joseph Pulitzer, Esq., to establish a scholarship in memory of his daughter Lucille Pulitzer. The annual income of the fund is applied to the use of the holder of the scholarship, which is awarded by the Trustees to the undergraduate student entering the College from the city of New York who is found to have passed the best examinations and to have shown herself to be most worthy in every way.

Emily James Smith Scholarship

33. This scholarship was founded in 1899 by Miss Emily H. Bourne in honor of Miss Smith, then Dean of the College. It is awarded annually at the discretion of the founder in conference with the representatives of the College.

Anna E. Barnard Scholarship

34. This scholarship was founded in 1899 by Miss Emily H. Bourne in honor of Mrs. General John G. Barnard. It is awarded annually on the same terms as the Emily James Smith Scholarship.

The Brearley School Scholarship

35. A scholarship of \$150, given in 1899 by pupils and former pupils of the Brearley School, will be awarded annually to a student who deserves assistance.

NOTE.—All persons intending to compete for these scholarships must submit satisfactory certificates of character and proficiency from the schools which they have last attended, and must state in writing that it is their intention to spend at least one year at Barnard College.

Each scholarship entitles its holder to receive the sum of \$150 per annum during the College course; but if she fail to maintain a standing of at least grade C in all the courses pursued by her, or if she commit any breach of good order, she shall forfeit the scholarship.

Applications for scholarships (except those granted at entrance) should be made on the regular forms, which may be obtained at the Dean's office, and should be filed on or before May 1.

GRADUATE SCHOLARSHIPS

The Curtis University Scholarships

36. Four University scholarships, founded in the same manner as the Brooklyn scholarships (see preceding article), will be awarded to students annually under the Faculties of Philosophy, Political Science, and Pure Science. These scholarships are awarded under the following regulations:

1. These University scholarships are open to all graduates of colleges whose course of study has been such as to entitle them to be enrolled at Columbia University as candidates for a University degree.
2. These scholarships are tenable for one academic year, with a possibility of renewal for one year longer. They are of an annual value of \$150 each.
3. Payments will be made to University scholars in two equal instalments: one on October 1 and one on February 1. University scholars will be required to pay all of the fees established for matriculation, tuition, and graduation.

Fiske Scholarship

37. A scholarship of \$250, founded by Mrs. Josiah M. Fiske, is awarded annually to the most satisfactory graduate student in political science.

NOTE.—Applications for any University scholarship must be filed before May 1st with the Dean of Barnard College. Blanks for the purpose may be obtained from the Bursar.

HARTLEY HOUSE FELLOWSHIP

38. The importance of training in accurate habits of social observation as a preparation for the technical study of advanced problems in sociology or for the active work of philanthropy and social reform, has long been recognized by both teachers and practical workers. Provision for such training of students of Barnard College has been made in the founding of the Hartley House Fellowship. The holder of this Fellowship in 1897-8 and 1898-9 was Miss Lydia S. Cody, A.B. (Boston University), to whose suggestions and personal efforts the establishment of this instruction was largely due. The holder of the Fellowship for the years 1899-1901 is Miss Elsie W. Clews, Ph.D. Miss Clews will give personal direction to students who wish to undertake observational work, and the entire instruction will be under the general charge of the Professor of

Sociology. The advantages offered will include opportunities to become familiar with the work of the more important private institutions for social betterment in New York City, such as the State Charities Aid Association, the Charity Organization Society, the New York Association for Improving the Condition of the Poor, and the various social settlements, as well as to study the organization and working of various public agencies charged with the welfare of the community. This work has the coöperation of Hartley House, which extends special facilities therefor.

COURSE OF STUDY

The attention of students is called to the following regulations relating to the selection of studies and to the requirements for the degree of Bachelor of Arts.

39. Candidates for the degree of Bachelor of Arts are required to present courses making a total of sixty points, each point having the value of a subject pursued one hour a week for one academic year, except that laboratory hours shall be counted for one half of the number of hours actually occupied. Not less than twelve, nor more than eighteen, points may be presented in any one year without the consent of the Dean. No one-hour course, unless taken in connection with and as a supplement to a cognate course, will be allowed. Until the end of her Junior year, a student must always pursue not fewer than three courses having a value of at least three points each.

40. The courses necessary to meet the above requirement may be chosen by the student at will from the courses announced each year, subject to the restrictions named in connection with each course, and to the following general restrictions :—

- (1) For all students the following courses are prescribed :
 Latin **A** or **B** (unless Advanced Latin is offered at entrance, see page 22),
 3 hours—Freshman year.
 English **A**, 3 hours—Freshman year.
 English **B**, 2 hours—Sophomore year.
 Economics **A**, 3 hours—First half of Junior year.
 Psychology **A**, 3 hours—Second half of Junior year.
- (2) For students that do not offer *French* at entrance is prescribed :
 French **A**, 3 hours—Freshman year.
- (3) For students that do not offer *German* at entrance is prescribed :
 German **A**, 3 hours—Freshman year.
- (4) For students that do not offer a *Natural Science* at entrance is prescribed :
 Botany **I**, 3 hours—Freshman, Sophomore, or Junior Year ; or
 Chemistry **I**, 4 hours—Freshman, Sophomore, or Junior year ; or
 Physics **I**, 3 hours—Freshman, Sophomore, or Junior year.
- (5) For students that do not offer *Advanced Mathematics* at entrance is prescribed :
 Mathematics **A**, 3 hours—Freshman year.
- (6) For students that do not offer *Advanced History* at entrance is prescribed :
 History **A**, 3 hours—Freshman or Sophomore year.

41. In making out their lists of electives, students are confined to the courses indicated as open to them in this Announcement of the College. They must avoid conflicts of courses at the same hour, and for that purpose should consult the Scheme of attendance. (See pp. 53-54 below.)

Students in the College are required, on or before May 20, to give notice to the Dean, upon blanks to be procured from the Dean's Secretary, of their choice of elective courses. Special attention is called to this requirement, in order to avoid confusion and possible embarrassment to the student.

The Dean and the head of the department concerned may permit any study prescribed for the degree of Bachelor of Arts to be taken as an elective in an earlier year than that for which it is set down below.

Elective courses are subject to withdrawal if elected by fewer than three students.

42. Changes in elective courses can be made only by written permission of the Dean for reasons of weight stated in writing. No changes can be made later than two weeks after the beginning of each term.

The like permission is necessary to entitle a student to take more than four hours of work, not including laboratory work, on the same day, and to take more than six hours of work weekly in any department.

No student will be allowed to elect courses that will require her continuous attendance in classes from 11.30 A.M. to 2.30 P.M.

TEACHERS COLLEGE DIPLOMA

43. The course of study in Teachers College for those that intend to teach in secondary schools is so arranged that students of Barnard College may, if they so desire, obtain the Diploma of Teachers College at the time of receiving the degree of Bachelor of Arts. Details as to these courses will be found in the Announcement of Teachers College, which will be sent on application to the secretary of Teachers College.

DEPARTMENTAL STATEMENTS

44. NOTE.—The hours for laboratory work are not given in the scheme of attendance ; they must be arranged on consultation with the officers in charge of the courses.

For more detailed information in regard to topics, text-books, or methods, in any particular course, students are referred to the instructors.

Anthropology. See **Philosophy and Psychology**

Astronomy

1—General Astronomy. Professor REES. Two hours

Tu. and Th. at 11.30

Open to Seniors.

2—Spherical and Practical Astronomy. Professor REES and Dr. MITCHELL. Two lectures and two hours' observatory work, counting as a three-hour course

M. and W. at 12.30

Open to Seniors who have taken Mathematics 6

Biology. See Zoölogy

Botany

51—Elementary Botany. Dr. RICHARDS. Five hours, lectures and laboratory work, counting as a three-hour course

M. and F. at 9.30

52—General Morphology and Development of Plants. Miss DUNN. Two lectures, four hours of laboratory work, counting as a four-hour course

Two hours' additional laboratory work may be taken, in which case Botany 52 will count as a five-hour course

Tu. and Th. at 10.30

53—Determination of Phanerogams. Miss DUNN. Four hours, counting as a two-hour course. Either half-year may be taken separately

Open to students who have taken, or who are taking, Course 51

54—Anatomy of Vascular Plants. Dr. RICHARDS. Two lectures and a minimum of six hours of laboratory work, first half-year

55—Physiology of Plants. Dr. RICHARDS. Two lectures, six hours of laboratory work, second half-year

Courses 54 and 55 count as a five-hour course for the year

56—Special Morphology of the Algæ and Higher Cryptogams. Dr. RICHARDS. One lecture, six hours of laboratory work, counting as a four-hour course, first half-year

Open to students who have taken Courses 51 and 52

57—Special Morphology of the Fungi. Dr. RICHARDS. One lecture, six hours of laboratory work, counting as a four-hour course, second half-year

Open to students who have taken Courses 51 and 52

58—Advanced Physiology and Morphology. Dr. RICHARDS. Lectures, written work, and a minimum of eight hours of laboratory work, counting as a six-hour course

Open to students who have taken Courses 51, 52, 54, and 55, or their equivalents

Chemistry

1—General Inorganic Chemistry. Dr. MALTBY and Miss KELLER. Three lectures and one afternoon laboratory work, counting as a four-hour course

M., W., and F. at 9.30

Open to all students.

7—Qualitative Analysis. Dr. MALTBY and Miss KELLER. Two lectures, two recitations, and a minimum of six hours of laboratory work, counting as a five-hour course

Tu. and Th. at 9.30

Open to students who have taken Course I

20—Organic Chemistry, Elementary Course. Dr. MALTBY. Two hours' lectures and one hour recitation

M., W., and F. at 11.30

Open to students who have taken Course I

3—Physical Chemistry. Dr. MALTBY. Two lectures and one afternoon laboratory work, counting as a three-hour course. The course involves a treatment of the states of aggregation of matter, molecular weight determinations, the theory of solutions, thermo-, and electro-chemistry

Tu. and Th. at 11.30

Open to students who have taken Chemistry I and Physics I

Economics and Social Science

Economics A—Outlines of Economics. Study of the characteristics of modern industrial society and of fundamental economic principles. Mr. DAY. Three hours, first half-year

M., W., and F. at 10.30

Prescribed for Juniors. Open to qualified Sophomores who take Course I

Economics I—Economic History of England and the United States, with constant attention to the evolution of present economic conditions and the rise of current social problems. Mr. DAY. Three hours, second half-year

M., W., and F. at 10.30

This course forms a natural supplement to Course A and should be elected by students who desire a broad understanding of economic questions

Open to Juniors, Seniors, and properly qualified Sophomores

Economics 3—Problems of Modern Industrial Organization (first half-year), **and of the Relations of Labor and Capital** (second half-year), with special attention to monopolies and the condition of the wage-earner. Mr. DAY. Three hours

M., W., and F. at 1.30

Open to students who have taken Course A or its equivalent

Economics 4—Science of Finance. A course on public revenue and public expenditure. Professor SELIGMAN and Mr. DAY. Two hours

M. and W. at 3.30

Open to Seniors

Economics 11—Communistic and Socialistic Theories. Professor CLARK. Two hours, first half-year

Tu. and Th. at 11.30

Open to Seniors

Economics 12—Theories of Social Reform. Professor CLARK. Two hours, second half-year

Tu. and Th. at 11.30

Open to Seniors

Sociology 15—Principles of Sociology. Professor GIDDINGS. Two hours

Tu. and Th. at 2.30

Open to Seniors

Education. See *Philosophy and Psychology*

English Language and Literature

A—Rhetoric and English Composition. Recitations, weekly themes, lectures. Dr. ODELL and Miss GILLESPY. Three hours

Tu., Th., and S. at 10.30

Prescribed for Freshmen

B—English Composition. Lectures, fortnightly themes, consultations.

Mr. BREWSTER and Miss GILLESPY. Two hours

Tu. and Th. at 1.30

Prescribed for Sophomores

1—English Composition. Lectures, daily themes. Mr. BREWSTER.

Three hours, first half-year

Tu. and Th. at 10.30 and a third hour to be arranged

Open to students who have taken English B

2—English Composition. Essays, lectures, and discussions in regard to style. Mr. BREWSTER. Three hours, second half-year

Tu. and Th. at 10.30 and a third hour to be arranged

Open to students who have taken English 1

15—Anglo-Saxon Literature and Historical English Grammar. Professor TRENT. Two hours

M. and W. at 9.30

Open to students who have taken English A

17—Chaucer: Language, Versification, and Method of Narrative Poetry. Professor PRICE. Two hours

Tu. and Th. at 10.30

Open to Seniors who have taken or are taking English 15

19—Shakspere. Professor TRENT. Two hours

M. and W. at 12.30

Open to students who have taken English A

21—American Literature. Professor G. R. CARPENTER. Two hours

Tu. and Th. at 11.30

Open to students who have taken English A

23—English Poetry. A general survey from the Elizabethan period to modern times. Professor TRENT. Two hours

M. and W. at 11.30

Open to students who have taken English A

46—English Literature from 1625 to 1660, with special reference to Milton. Professor TRENT two hours

Tu. and Th. at 10.30

Open to specially qualified Seniors

48—English Literature in the Second Half of the Eighteenth Century. Professor TRENT. Two hours

Tu. and Th. at 11.30

Open to specially qualified Seniors

French. See **Romance Languages**

Geography

[The following courses in Geography are given at Teachers College.]

2—Elementary Physical Geography. Professor DODGE. Lectures and laboratory work, counting with Geography 3 as a three-hour course. First half-year

M. and W. at 2.30; F., 2.30-4.30

Open to Juniors and Seniors

3—Geography of the United States. Professor DODGE. Three hours, second half-year

M. and W. at 2.30; F., 2.30-4.30

Open to Juniors and Seniors who have taken Geography 2

(Course 3 alternates with Course 4: **Geography of Europe**)

Courses in Methods of Teaching Geography in Elementary, and Geography and Geology in Secondary Schools are also offered to students. See **Education 16, 37**

6—General Geography. Professor DODGE. Lectures and laboratory work, counting as a three-hour course

Tu. and Th. at 9.30, and W., 3.30-5.30

Open to Freshmen and Sophomores

Germanic Languages and Literatures

German

A—Elementary Course. Dr. TOMBO and Mr. BRAUN. Three hours

Prescribed for Freshmen who did not present German at entrance

Tu., Th., and S. at 11.30

2—Grammar, Reading, and Composition. Dr. TOMBO and Mr. BRAUN. Three hours

M., W., and F. at 2.30

Open to students who presented German at entrance

3—Selected Works of Goethe, Schiller, and Lessing. Dr. TOMBO.
Three hours

Tu., Th., and S. at 10.30

4—Historical Prose. One volume of Freytag's *Bilder aus der deutschen Vergangenheit*, and other works of a historical character. Mr. BRAUN.
Three hours

M., W., and F. at 10.30

[6—History of German Literature] from the earliest times to the 19th Century. Lectures, themes, and readings from Müller's *German Classics*. Professor THOMAS

Open to students who have taken Course 3 or 4

Not given in 1900-1901; given in 1901-1902]

7—Goethe's Faust; first and second parts. Lectures and recitations.
Professor THOMAS. Two hours

Tu. and Th. at 11.30

Open to students who have taken Course 6

8—Practice in Speaking and Writing German. Talks, conferences, and themes, all in German, upon linguistic and literary topics. Dr. TOMBO.
Two hours

M. and W. at 1.30

Open to students who have taken Course 3 or 4

[10a—Great German Writers.] Lessing (first half-year) and Goethe (second half-year). Lectures and essays. Professor THOMAS. Two hours

Open, with the permission of the instructor, to Seniors

Not given in 1900-1901; given in 1901-1902.]

10b—Great German Writers. Schiller (first half-year) and Heine (second half-year). Lectures and essays. Professor THOMAS. Two hours

W. and F. at 11.30

Open, with the permission of the instructor, to Seniors

11—Old High German. Professor W. H. CARPENTER. Two hours

Tu. and Th. at 1.30

Open, with the permission of the instructor, to Seniors

20—Geschichte der deutschen Litteratur im 19 Jahrhundert mit besonderer Rücksicht auf das Drama. Vorlesungen in deutscher Sprache.
Professor THOMAS. Two hours

W. and F. at 10.30

Open, with the permission of the instructor, to Seniors

Scandinavian

12—Swedish. Elementary course in the language, with miscellaneous reading, and a general survey in lectures of the history of Swedish literature.
Professor THOMAS. Two hours

Tu. and Th. at 10.30

Open, with the permission of the instructor, to Seniors

[**13—Danish.** Elementary course in the language, with miscellaneous reading, and a general survey in lectures of the history of Danish literature. Professor THOMAS. Two hours

Open, with the permission of the instructor, to Seniors
Not given in 1900-1901; given in 1901-1902]

[**14—Icelandic.** Elementary Course. Professor W. H. CARPENTER. Two hours.

Open, with the permission of the instructor, to Seniors
Not given in 1900-1901; given in 1901-1902]

15—Icelandic. Advanced Course. Professor W. H. CARPENTER. Two hours

Tu. and Th. at 3.30

Open, with the permission of the instructor, to Seniors

Dutch

[**16—Dutch.** Elementary course in the language, with miscellaneous reading, and a general survey in lectures of the history of Dutch literature. Professor W. H. CARPENTER. Two hours

Open, with the permission of the instructor, to Seniors
Not given in 1900-1901; given in 1901-1902]

Gothic

17—Gothic. Elementary Course. Mr. REMY. Two hours

Tu. and Th. at 2.30

Open, with the permission of the instructor, to Seniors

Germanic Philology

18—General Introduction to Germanic Philology. Lectures and exercises. Professor W. H. CARPENTER. Two hours

M. and W. at 2.30

Open, with the permission of the instructor, to Seniors

Greek

B—First half-year: Selected Orations of Lysias; Plato's *Apology* and *Crito*. Second half-year: Homer's *Odyssey*. Greek prose composition fortnightly throughout the year. Mr. BURCHELL. Three hours

Tu., Th., and S. at 9.30

Open to Freshmen who presented Greek at entrance, and to Sophomores who have taken Greek **A**

I—Elements of Greek Archæology. Professor WHEELER. Two hours, first half-year

Tu. and Th. at 9.30

Open as an elective to Freshmen, Sophomores, and Juniors

2—Course in Reading Greek at Sight. Professor EARLE. Two hours, second half-year

Tu. and Th. at 9.30

Open as an elective to Freshmen, Sophomores, and Juniors

3—First half-year: Euripides's Alcestis and Medea; required reading in English, French, or German, and lectures on the Greek drama. Second half-year: Plato's Protagoras and Xenophon's *Œconomicus*, with required reading as above. Professor EARLE. Three hours

M., W., and F. at 11.30

Open to students who have taken Course **B** or its equivalent

An additional hour weekly, to be given to Greek composition, will be offered, and students who take this may count Course **3** as a four-hour course or Course **4** as a three-hour course

4—Rapid Reading of Homer. Professor WHEELER. Two hours

Tu. and Th. at 10.30

Open as an elective to Juniors and Seniors; also, with the consent of the instructor, to Sophomores

(Course **4** alternates with Course **5: Herodotus and the Minor Poets**)

6—First half-year: Sophocles's Antigone, *Œdipus Tyrannus*, *Œdipus Coloneus*. Second half-year: Thucydides. For private reading in the course of the year, with occasional conferences with the instructor: Æschylus's Prometheus Vinctus. Professor EARLE and Mr. BURCHELL. Three hours

M., W., and F. at 1.30

Open to Juniors and Seniors

7—Advanced Greek Prose Composition. Professor EARLE. One session weekly, with written exercises, counting as two hours

Tu. at 11.30

Open to Juniors and Seniors. Required of candidates for Junior Honors in Classics.

31—Plato and Aristotle. Professor EARLE and Mr. BURCHELL. Three hours

M., W., and F. at 9.30

Open to Seniors

32—Pindar and Theocritus. Professor EARLE. Two hours.

Tu. and Th. at 12.30

Open to Seniors

(For Teachers' Course by Professor LODGE, see Education 18)

History

A—Epochs of Ancient, Mediæval, and Modern History, with special reference to forms of government and changes in social conditions. Mr. SHOTWELL. Three hours

M., W., and F. at 12.30

Prescribed for Sophomores, but may be taken as an elective by Freshmen

1—Mediæval and Modern Political History to 1648. Mr. RAPER.
Two hours

Tu. and Th. at 2.30

Open to Sophomores and Juniors that have taken Course **A**

2—Continental European History, modern and contemporaneous, 1648-1889. Mr. RAPER. Two hours

Tu. and Th. at 3.30

Open to Sophomores and Juniors that have taken Course **A**

3—English History to the Reform Bill, 1832. Mr. RAPER. Three hours

M., W., and F. at 10.30

Open to Sophomores and Juniors that have taken Course **A**

4—History of the United States to the Close of Reconstruction.
Mr. RAPER. Two hours

M. and W. at 11.30

Open to Sophomores and Juniors that have taken Course **A**

[6—The History of England during the Eighteenth and Nineteenth Centuries. Professor OSGOOD. Two hours

Open to Juniors and Seniors

Not given in 1900-1901]

(Courses **6** and **16** are given in alternate years)

11—Development of Culture during the later Middle Ages and Renaissance: the Protestant Revolution. Professor ROBINSON. Two hours

Tu. and Th. at 3.30

Open to Juniors and Seniors

16—Constitutional History of England to 1689. Professor OSGOOD.
Two hours

Tu. and Th. at 2.30.

Open to Seniors

(Courses **6** and **16** are given in alternate years)

Italian. See **Romance Languages and Literatures**

Latin

A—Pliny: Selected Letters. Review of syntax; prose composition, first half-year. **Odes and Epodes of Horace:** review of prosody, second half-year. Mr. BURCHELL. Three hours

M., W., and F. at 10.30

Prescribed for Freshmen

B—Reading of selections in prose and verse illustrative of the public and private life of the Romans. Occasional explanatory lectures. Dr. KNAPP. Three hours

M., W., and F. at 10.30.

Prescribed for Freshmen

1—Tacitus : The Agricola and Annals (Book I); prose composition; first half-year. **Satires and Epistles of Horace**; prose composition continued; second half-year. Dr. KNAPP. Three hours

M., W., and F. at 9.30

Open to students that have taken Course **A** or Course **B**

2—Catullus, Tibullus, Propertius, first half-year. **The Letters of Cicero**, second half-year. Professor EARLE and Dr. KNAPP. Two hours

Tu. and Th. at 12.30

Open to students that have taken Course **A** or Course **B**

An extra hour will be offered in Prose Composition, and students that take this may count Course **2** as a three-hour course.

3—Juvenal Satires; first half-year. **Lucretius**; second half-year. Professor MCCREA. Three hours

M., W., and F. at 10.30

Open to students that have taken Course **1** or Course **2**

4—The Andria and Phormio of Terence, first half-year. **The Captivi and Mostellaria of Plautus**, second half-year. Dr. KNAPP. Two hours

Tu. and Th. at 1.30

Open to students that have taken Course **1** or Course **2**

22—Latin Prose Composition. Dr. KNAPP. Two hours.

M. and W. at 2.30.

Open to Juniors and Seniors

34—Cicero and Virgil. Dr. KNAPP. Three hours

M., W., and F. at 11.30

Open to Seniors

35—Roman Tragedy and Seneca. Dr. KNAPP. Two hours

Tu. and Th. at 10.30.

Open to Seniors

(For Teachers' Course by Professor LODGE, see Education 21)

Mathematics

A—Geometry, Algebra, and Trigonometry. Solid geometry; algebra, including series, binomial theorem, and logarithms; plane trigonometry, including the use of tables of logarithms. Dr. KASNER and Miss ANDREWS. Three hours

M., W., and F. at 9.30

Prescribed for Freshmen who did not present advanced mathematics at entrance

1—Algebra, Trigonometry, and Analytical Geometry. Advanced algebra, including permutations and combinations and probability; analytical trigonometry; analytical geometry of the straight line. Dr. KASNER. Three hours, first half-year

M., W., and F. at 10.30

Open to students who have taken Course **A**, or who presented advanced mathematics at entrance.

2—Analytical Geometry. Conic sections and solid analytical geometry.
Dr. KASNER. Three hours, second half-year

M., W., and F. at 10.30

Open to students who have taken Course 1

Courses 1 and 2 are required for admission to all advanced courses

[3—Theory of Equations.] Algebraic and numerical solution of equations, determinants, complex numbers. Two hours

Open to students who take, or have taken, Course 1

Not given in 1900-1901]

6—Calculus. Differential and integral calculus. Professor COLE. Three hours

M., W., and F. at 10.30

Open to students who have taken Course 2

7—Differential Equations. Dr. KASNER. Three hours

Open to students who have taken Course 6

8—Advanced Analytical Geometry. Modern methods in analytical geometry; solid analytical geometry. Dr. KASNER. Three hours

Open to students who take, or have taken, Course 6

Mechanics

3—Theoretical Mechanics. Advanced Course, requiring use of Calculus.
Mr. PFISTER. Two hours

M., 2.30-4.30

Open to students who have taken Mathematics 6

Music

1—General Musical Course. History and analysis with illustrations.
Professor MACDOWELL. One hour

S. at 9.30

Students in Course 1 are required to take also Course 6

2—General Musical Course. Modern music, instrumentation, and forms, with illustrations. Professor MACDOWELL. One hour

W. at 1.30

Students in Course 2 are required to take either Course 6 or Course 10.

3—Harmony. Mr. McWHOOD. Two hours

W. at 3.30 and S. at 11.30

Students in Course 3 are required, unless excused, to take also either Course 6 or Course 10

4—Counterpoint. Professor MACDOWELL. Two hours

W. at 4.30 and S. at 11.30

5—Orchestration and Symphonic Form. Professor MACDOWELL. Two hours

W. at 2.30 and S. at 10.30

Students in Course 5 are required, unless they have already done so, to take Course 1

6—Musical Dictation. Mr. McWHOOD. One hour
S. at 10.30

7—Practical Composition. Professor MACDOWELL. One hour
W. at 3.30

Students in Course 7 are required to take also either Course 6 or Course 10

8—University Chorus. Mr. HINRICHES. Two hours
Tu. and F. at 4.30

9—University Orchestra. Mr. HINRICHES. Two hours
W. from 4.30 to 6.30

Course 9 may not be counted towards a degree. It is open, without fee, to all students in the University, and to others on payment of the usual fee. All students in the Department unless excused, are required to take Course 9

10—Musical Dictation, advanced. Mr. McWHOOD. One hour
W. at 2.30

All students in the Department are required, unless excused, to take either Course 8 or Course 9; these two courses do not count toward a degree.

Philosophy and Psychology

Philosophy

Philosophy 1—Historical and Critical Introduction to Philosophy. Professor BUTLER and Dr. JONES. Three hours

M., W., and F. at 2.30

Open to Seniors

[**Philosophy 2—Ethics:** Introductory Course. Professor LORD. Three hours, second half-year

Open to students who have taken Psychology A

Not given in 1900-1901]

Philosophy 5—Practical Ethics. Professor HYSLOP. Three hours.

Open to specially qualified Seniors

M., W., and F. at 3.30

[**Philosophy 6—Epistemology.** Professor HYSLOP. Two hours

Open to specially qualified Seniors

Not given in 1900-1901]

[**Philosophy 7—History of Ethics.** Dr. JONES. Two hours

Open to Seniors

Not given in 1900-1901]

Philosophy 8—Principles and Problems of Aesthetics. Dr. JONES. Two hours. Two hours of laboratory work, counting as an additional hour, may be taken in connection with this course

M. and W. at 11.30

Open to Seniors

Philosophy 9—Logic and Scientific Method. Professor LORD. Three hours, first half-year

M., W., and F. at 9.30

Philosophy 11—Studies in European Philosophy from the Renaissance to the Enlightenment. Dr. JONES. Two hours

Tu. and Th. at 1.30.

Open to Seniors who have taken, or are taking, Philosophy 1

Philosophy 12—Practicum on Selected Topics in Modern Philosophy, principally from the writings of Hegel and Herbart. Professor BUTLER. Two hours

Tu. and Th. at 2.30

Primarily for graduates. Open to specially qualified Seniors

Philosophy 13—Metaphysics. Professor HYSLOP. Two hours

Tu. and Th. at 3.30

Primarily for graduates. Open to specially qualified Seniors

Philosophy 14—Practicum on the Philosophy of Herbert Spencer.

Professor HYSLOP. Two hours

M. and W., at 1.30

Primarily for graduates. Open to specially qualified Seniors

Psychology

Psychology A—The Elements of Psychology. Professor LORD.

Three hours, second half-year

Tu., Th., and S., Section 1 at 9.30; Section 2 at 10.30

Prescribed for Juniors, unless taken in Sophomore year by permission of the Dean

This course is given in two sections. Students are assigned to the sections in alphabetical order, but for reasons of weight, with the consent of the Dean, a student may be transferred to a section other than that to which she properly belongs

Psychology 1—Introduction to the Study of Psychology: History, Scope, and Methods. Professors BUTLER, CATTELL, STARR, HYSLOP, and BOAS, Drs. FARRAND and THORNDIKE, and Mr. STRONG. Two hours

Tu. and Th. at 11.30

Open to Seniors

Psychology 2—Experimental Psychology: Introductory Course. Professor CATTELL. Two hours

Tu. and Th. at 10.30

Open to Seniors who have taken Psychology A

Psychology 3—Experimental Psychology. Laboratory work. Professor CATTELL, assisted by Mr. WISSLER. Two or four hours weekly, counting as a one- or two-hour course

Tu. and Th., 9.30-10.30, 2.30-4.30

Open to Seniors who have taken, or are taking, Psychology 2

Psychology 8—Physiological Psychology: General Course. Dr. FARRAND. Three hours

M., W., and F. at 10.30

Open to Seniors who take, or have taken, Psychology A

Anthropology

Anthropology 1—General Introductory Course. First term : Physical Anthropology and Linguistics, Professor BOAS. Second term : Ethnology, Dr. FARRAND. Two hours

Tu. and Th. at 1.30

Open to Seniors

Anthropology 2—The Statistical Study of Variation. Professor BOAS. Two hours

Tu. and Th. at 9.30

Open to Seniors

History and Philosophy of Education

Education 1—History of Education. Lectures, required reading, reports and discussions. Two [or three] hours. Professor MONROE

Tu. and Th. at 3.30, and one optional hour to be arranged

(The third hour is optional, and is devoted to conference and discussion)

Open to Seniors

Education 2—Principles of Education. Lectures, essays, required reading, and discussions. Two [or three] hours. Professor BUTLER, assisted by Mr. UPDEGRAFF

M. and W. at 3.30.

Open to Seniors

The third hour (F. at 3.30) is optional and is devoted to conference and discussion. When the third hour is taken this course counts as a three-hour course

Education 8—Secondary Education. Lectures, discussions, and reports. Two hours. Professor MONROE

Tu. and Th. at 4.30

Open to graduates, qualified Seniors, and special students.

Educational Administration

Education 6—School Administration. Lectures, essays, and discussions. Two hours. Professor DUTTON

Tu. and Th. at 4.30

Open to Seniors

[7—National Educational Systems. Lectures, supplementary readings. Professor RUSSELL. Two hours

Open to Seniors.

Given in 1901-1902, and in alternate years thereafter]

Genetic Psychology and School Hygiene

Education 9—Child Study. Observation, experiments, private reading, and conferences. Two hours. Dr. THORNDIKE

Tu. and Th. at 11.30

Open to students that are taking, or have taken, Psychology **A** and Education **3**

Required of candidates for elementary and kindergarten diplomas.

Education 27—School Hygiene and Child Study. Lectures, experimental study, and discussion. Dr. THORNDIKE. Three hours, second half-year.

M., W., and F., at 3.30

Open to Seniors.

Theory and Practice of Teaching in the Secondary School

Education 12—Biology. Lectures and discussions. One conference and two or more hours of practical work, counting as a two-hour course. Professor LLOYD and Mr. BIGELOW

W. 9.15-11.30

Open to Seniors

Education 13—English. Lectures, reading, written work, observation and practice-teaching. One conference and two or more hours of practical work counting as a two-hour course. Professor BAKER

Tu. and Th. at 9.15

Open to Seniors

French 17 Teachers' course. Lectures, essays, reports, and practical exercises. Two hours. Professor COHN

M. and W. at 3.30

Open to Seniors

Education 16—Geography and Geology. Lectures, discussions, and practical work. One conference and two or more hours of practical work counting as a two-hour course. Professor DODGE. Hours to be arranged

Open to Seniors

Education 17—German. Discussions, reports of observation, and practice-teaching. Two or more hours of practical work, counting with German **19** as a two-hour course. Mr. BAGSTER-COLLINS

Hours to be arranged

Open to students who take German **19**

Education 18—Greek Teachers' Course. One conference and two or more hours of practical work, counting as a two-hour course. Professor LODGE

Tu. at 2.30—joint conference of students in Education **18** and **21**; hours for practical work to be assigned.

Open to Seniors

Education 19—History. Lectures, discussions, observation, and practice-teaching. One conference and two or more hours of practical work, counting as a two-hour course. Professor CASTLE

Tu. and Th. at 10.30; conference, W. at 10.45

Open to Seniors

Education 21—Latin Teachers' Course. One conference and two or more hours of practical work, counting as a two-hour course. Professor LODGE
 Tu. at 2.30—joint conference of students in Education 18 and 21; hours for practical work to be assigned

Open to Seniors

Education 23—Mathematics. Lectures, discussions, and practical work. One conference and two or more hours of practical work, counting as a two-hour course. Professor BIKLÉ

Tu. and Th. at 1.30

Open to Seniors

Education 25—Physical Science. Laboratory exercises, observation, and preparation for practice-teaching. One conference and two or more hours of practical work, counting as a two-hour course. Professor WOODHULL

M. at 2.30, and F., 2.30-4.30

Open to Seniors

Theory and Practice of Teaching in the Kindergarten and Elementary School

Education 3—Applications of Psychology in Teaching. Discussions, critical study of texts, and collateral reading. Three hours, second half-year. Two sections. Professor McMURRY

1. M., W., and F. at 3.30

2. M., W., and F. at 10.45

This course is pre-requisite to Education 4 and all practice in teaching. Psychology A, or its equivalent, is a pre-requisite for this course

Open to Juniors and Seniors

Education 4—Critic Work and Practice-Teaching. (a)—Weekly conferences (two hours) following observation of recitations, combined with (b) practice in teaching under supervision. (a) may be taken without (b), but not (b) without (a). Either half-year may be taken separately. Professor McMURRY and Miss WOHLFARTH

Hours and credit for practice-teaching to be arranged

Open to Seniors

Education 5—General Method. Critical study of texts, discussions, and supplementary reading. Three hours, first half-year. Professor McMURRY

M., W., and F. at 11.30

[10—Primary Teaching.] Observation, discussions, and lectures. Professor McMURRY. Two hours.

Tu. and Th. at 4.30

Open to Seniors

Given in 1901-1902, and in alternate years thereafter.]

26—Drawing and Manual Training for the Primary Grades. Conferences, preparation of lessons, observation, and practical work. Professors CHURCHILL, RICHARDS, and WOOLMAN. Two hours.

M. at 1.30, and W., 1.30-3.30

Open to Seniors

11—Art and Drawing. Lectures, conferences, observation, and practical work. Two (three) hours. Professor CHURCHILL and Mrs. CHAMBERS.

M. at 1.30, and W., 1.30-3.30

Education 14—English. Lectures, recitations, and private reading. Three hours the first half-year. Professor BAKER

M., W., and F. at 1.30

Open to Seniors

Education 37—Geography. Lectures, discussions, and preparation for practice-teaching. Three hours, first half-year. Professor DODGE

M., W., and F. at 9.15

Open to Seniors

Education 20—History. Lectures, conferences, reference work, observation, and practice-teaching. Three hours, first half-year. Professor CASTLE

W. at 10, and other hours to be arranged

Open to Seniors

Education 22—Manual Training—principles and methods. Discussions, essays, and supplementary reading. Two hours. Professor RICHARDS

Tu. at 11.30, F. at 3.30

Open to Seniors

Education 32—Manual Training—organization and supervision. Discussions, essays, and supplementary reading. Two hours. Professor RICHARDS

M. and W. at 11.30

Open to Seniors

Education 24—Mathematics. Discussions, essays, and observation. Three hours, second half-year. Professor BIKLÉ

M., W., and F. at 1.30

Open to Seniors

Education 41—Nature study. Lectures and discussions. One hour. Professor LLOYD, Mr. BIGELOW and Miss CARSS

Hour to be arranged

Open to Seniors

Physics

1—Light and Heat, first half-year. **Sound and Electricity**, second half-year, counting as a three-hour course. Dr. DAY. Two lectures and two hours' laboratory work

Tu. and Th. at 2.30

Open to all students

2—Electricity, first half-year. **Sound**, second half-year. Dr. DAY. Two lectures, two or six hours' laboratory work, counting as a three-hour or five-hour course

Tu. and Th. at 10.30

Open to Freshmen who presented Physics or Chemistry at entrance, and to Sophomores and Juniors who have taken Mathematics **A** and Chemistry **I**

4—Light, first half-year. **Heat**, second half-year. Professor HALLOCK and Dr. DAY. Three lectures, two or four hours' laboratory work, counting as a four-hour or five-hour course

M., W., and F. at 9.30

Open to students who have taken Course **2**

Laboratory courses may be arranged for advanced students

A course in Methods of Teaching Physics in Elementary and Secondary Schools is also offered to students. See **Education 25**

Rhetoric and English Composition. See **English Language and Literature**

Romance Languages and Literatures

French

A—Elementary Course. Dr. NITZE and Dr. BÉZIAT DE BORDES. Three hours

M., W., and F. at 11.30

Prescribed for Freshmen who did not present French at entrance

1—Grammar, Reading, Composition. Mr. LOISEAUX. Three hours

M., W., and F. at 11.30

Open to students who have passed the French examination for entrance and who are not qualified for a higher course

2—General Introduction to the Study of French Literature. Composition. Dr. BÉZIAT DE BORDES. Three hours

Tu. and Th. at 9.30; F. at 2.30

Open to students who have taken Course **B** or Course **1** or their equivalents

4—History of French Literature in the Seventeenth Century.
_____. Lectures and essays. Two hours

Tu. and Th. at 11.30

Open to students who have taken Course **2** with credit

5—History of French Literature in the Eighteenth Century.

Mr. BARGY. Lectures and essays. Three hours

M., W., and F. at 1.30

Open to students who have taken Course **2** or Course **4**

(Courses **4** and **5** are given in alternate years)

7—The Literary Movement in France during the First Half of the Nineteenth Century. Mr. BARGY. Two hours

M. and W. at 2.30

Open to students who have taken Course **4**

[8—The Literary Movement in France during the Second Half of the Nineteenth Century. Two hours

Open to students who have taken Course **4**

Not given in 1900-1901]

(Courses **7** and **8** are given in alternate years)

11—History of Literary Criticism in France, especially Sainte-Beuve and Brunetière. Mr. BARGY. Two hours

M. and W. at 3.30

Open to Seniors who have taken Course 4

13—Old French: Reading of Selected Extracts. Dr. NITZE. Two hours, first half-year

Tu. and Th. at 2.30

Open to Seniors who have taken Course 4

14—Old French: Reading of Complete Texts. Dr. NITZE. Two hours, second half-year

Tu. and Th. at 2.30

Open to Seniors who have taken Course 4

15—French Literature of the Sixteenth Century, with special attention to Montaigne. Mr. LOISEAUX. Two hours

Tu. and Th. at 4.30

Open to Seniors who have taken Course 4

Italian

1—Elementary Course. Grammar, reading, and composition. Professor SPERANZA. Three hours

M., W., and F. at 11.30

Open to students who have taken French B and German A, or their equivalents.

2—Italian Literature of the Sixteenth Century: Ariosto, Tasso, Macchiavelli. Composition. Professor SPERANZA. Three hours

M., W., and F. at 1.30

Open to students who have taken Course 1

[3—Italian Literature of the Fourteenth and Fifteenth Centuries, exclusive of the *Divina Commedia*.] Dante's *Vita Nuova*, Petrarca, Boccaccio, and Bojardo. Composition. Professor SPERANZA. Three hours

Open to students who have taken Course 1

Not given in 1900-1901]

(Courses 2 and 3 are given in alternate years)

4—Critical Study of Dante's *Divina Commedia*. Professor SPERANZA. Two hours

Tu. and Th. at 2.30

Open to Seniors who have taken Course 2 or Course 3

Romance Philology

[1—Introduction to Romance Philology. Professor TODD. Two hours

M. and W. at 3.30

Not given in 1900-1901]

Open to Seniors

Students who had intended to take this course, which, owing to Professor Todd's absence, is not given in 1900-1901, are advised to take in its stead Courses 14 and 15 in French, together with the course entitled Introduction to the Science of Language, given by Professor Jackson.

Sociology. See **Economics and Social Science**

Zoölogy

2—Elementary Biology. Zoölogy, Histology, and Embryology. Dr. CRAMPTON. Three lectures, six hours' laboratory work, counting as a six-hour course, or two lectures and four hours' laboratory work, counting as a four-hour course

Tu. and Th. at 1.30

Open to Juniors and Seniors; especially designed for students who have taken Physics I, Chemistry I, and Botany I

This course is designed for students of psychology, physiology, geology, and medicine, as well as for those who intend to pursue zoölogy and botany

3—General Zoölogy. Dr. CRAMPTON. Three hours, six hours' laboratory work, counting as a six-hour course

M., W., and F. at 9.30

Open to students who have taken Zoölogy 2 or its equivalent

This course is designed for students proposing to enter medicine, also for students of zoölogy, botany, and physiology, as graduate subjects.

SCHEME OF ATTENDANCE FOR UNDERGRADUATES, 1900-1901

COURSES GIVEN AT BARNARD COLLEGE

MONDAY, WEDNESDAY, AND FRIDAY

9.30	10.30	11.30	12.30	1.30	2.30	3.30
Botany 51 [M. and F.]	Economics A, 1	Chemistry 20 English 23 [M. and W.]	English 19 [M. and W.]	Economics 3	French 2 [F. only]	Economics 4 [M. and W.]
Chemistry 1	German 4	History 3	History A	French 5	French 7 [M. and W.]	
English 15 [M. and W.]	Latin A, B, 3	French A, 1	German 8 [M. and W.]	German 2	German 2	
Greek 31	Mathematics 1, 2, 6	Greek 3	Greek 6	Latin 22 [M. and W.]	Latin 22 [M. and W.]	
Latin 1	Mathematics A	History 4 [M. and W.]	Italian 1	Italian 2	Italian 2 [M. and W.]	
Mathematics A	Philosophy 9	Italian 1	Latin 34			
Physics 4	Zoölogy 3	Latin 34				
TUESDAY, THURSDAY, AND SATURDAY						
9.30	10.30	11.30	12.30	1.30	2.30	3.30
Chemistry 7 [Tu. and Th.]	Botany 52 [Tu. and Th.]	Chemistry 3 [Tu. and Th.]	Greek 32 Latin 2	English B	History 1, 16 Physics 1	History 2, 11
French 2 [Tu. and Th.]	English A	Economics 11, 12 [Tu. and Th.]	Latin 4	Zoölogy 2	Sociology 15	
Greek B	English 1, 2, 17 [Tu. and Th.]	English 21 [Tu. and Th.]				
Greek 1, 2 [Tu. and Th.]	German 3	French 4 [Tu. and Th.]	German A			
Psychology A [Section 1]	Greek 4 [Tu. and Th.]	Latin 35 [Tu. and Th.]	German 7 [Tu. and Th.]			
	Physics 2 [Th. and Th.]	Physics 2 [Th. and Th.]	Greek 7 [Tu. only]			
	Psychology A [Section 2]					

SCHEME OF ATTENDANCE, 1900-1901

COURSES GIVEN AT COLUMBIA UNIVERSITY OPEN TO BARNARD COLLEGE SENIORS

MONDAY, WEDNESDAY, AND FRIDAY

MONDAY, WEDNESDAY, AND FRIDAY		TUESDAY, THURSDAY, AND SATURDAY				TUESDAY AND THURSDAY			
9.30	10.30	11.30	12.30	1.30	2.30	3.30	4.30		
German 20 [W. and F.]	German 10b [W. and F.]	Astronomy 2 [M. and W.]	Music 2 [W. only]	Germanic 18 [M. and W.]	Education 2 [M. and W.]	German 19 [W. and F.]			
Psychology 8	Philosophy 8 [M. and W.]	Philosophy 14 [M. and W.]	Mechanics 3 [M. only, 2.30-4.30]	French 11	French 17 [M. and W.]	Music 4 [W. only]			
			Music 5, 10 [W. only]	Mechanics 3	French 17 [M. and W.]	Music 8 [F. only]			
			Philosophy 1	Mechanics 3 [M. only, 2.30-4.30]	Music 9 [W. only, 4.30-6.30]	Music 9 [W. only, 4.30-6.30]			
				Music, 3, 7 [W. only]	Philosophy 5	Philosophy 5			
MONDAY, WEDNESDAY, AND FRIDAY		TUESDAY, THURSDAY, AND SATURDAY				TUESDAY AND THURSDAY			
9.30	10.30	11.30	12.30	1.30	2.30	3.30	4.30		
Anthropology 2 [Tu. and Th.]	Germanic 12 [Tu. and Th.]	Astronomy 1 [Tu. and Th.]	Anthropology 1	French 13, 14	French 13, 14	Education 1	Education 6, 8		
Music 1 [S. only]	English 46 [Tu. and Th.]	Education 9 [Tu. and Th.]	German 11	Germanic 17	Germanic 15	Germanic 15	French 15		
Psychology 3 [Tu. and Th.]	Music 5, 6 [S. only]	English 48 [Tu. and Th.]	Philosophy 11	Italian 4	Italian 4	Psychology 3 [2.30-4.30]	Music 8 [Tu. only]		
	Psychology 2 [Tu. and Th.]	Music 3, 4 [S. only]	Philosophy 12	Philosophy 12	Philosophy 13	Psychology 3 [2.30-4.30]	Philosophy 13		
		Psychology 1 [Tu. and Th.]							

EXAMINATIONS IN COURSE

45. Two examinations of all the classes are held every year, one beginning on the last Monday in January, and the other on the Monday of the third week preceding Commencement. The former is called the mid-year examination; the latter, the final examination. Any department may omit the mid-year examination in some or all of its courses for Seniors, notice of such intended omission to be sent to the Dean on or before December 1 preceding. It is the privilege of any department to announce that, in some or all of its courses, the results of the mid-year examination will be tentative only, the grades given after the final examination applying to the whole year.

46. Any student who shall have been absent from more than one tenth of the exercises in any course during a single half-year shall not be entitled to examination in that course.

Every student is expected and required to keep an account of her absences, and, should she exceed the limit allowed in any course, she must present to the Dean, during the week preceding the stated examination, satisfactory explanation of all her absences, or be debarred from the examination.

(a) A student absent from a mid-year or final examination in any course will be accounted deficient in that course.

(b) A student reported, at the close of the year, in grade E in more than one course, or in grade E in one course and in grade D in more than two other courses, will be dropped from the roll of her class.

(c) A student dropped from the roll of her class will not be permitted to attend any of the exercises of the said class without the consent of the Dean, given for reasons of weight; but she may enter the next class below and pursue the course or courses in which she is deficient, or, in case of elective courses, with the consent of the Dean, other course or courses equivalent thereto in time, and present herself for examination in such course or courses with that class. Upon failing with that class, in any repeated or substituted course, her name will be dropped from the roll of the College. No student dropped from the roll of her class or of the College under the provisions of this section will be accepted as a special student.

(d) No student will be promoted to the Junior class who is deficient in any course of the Freshman class; and no student will be promoted to the Senior class who is deficient in any course of the Sophomore class.

47. Examinations to enable deficient or debarred students of all classes to make good their deficiencies, are held within the two weeks immediately preceding the opening of the College in October; and in addition, for members of the Senior class only, during the first week in May.

Examinations at times other than here specified are not held except upon order of the Dean, given for reasons of weight. A fee of five dollars (\$5) is required for every such special examination.

Proficiency and Deficiency

48. At the close of every half-year, and after the stated examination has been held, each officer of instruction shall report to the Dean a list of all the students

in his several courses, classifying them in five grades, namely, A, B, C, D, E, according as their work in the course has been excellent, good, fair, poor, or a failure.

49. Students reported in grade E in any course will be deemed deficient in that course, and required to pass another examination in it at the time fixed for the special examination for debarred and deficient students, unless, for reasons of weight, the Dean shall otherwise direct.

50. Students reported in grade D in any course at the end of the first half-year must be warned by the instructor in charge thereof that their work is so unsatisfactory that, unless improved, it may result in their being found deficient at the close of the second half-year.

51. Students reported in grade D in two or more courses at the end of the first half-year will be warned by the Dean that their record is not satisfactory, and that, unless they improve, they may be required to take the courses a second time or to substitute other courses.

52. A student reported in grade D in four or more courses at the close of the year, and not reported in grade A or B in any course, or a student reported in grade E in one course and in grade D in two other courses, will not be permitted to go on with her class without the consent of the Dean, given for reasons of weight, nor will she be accepted as a special student; but she may enter the next class below.

53. (a) No scholarship, prize, or other honor will be awarded in any course or department to any student who is reported in a grade below C in any other course or department during the year in which she is a candidate for such scholarship, prize, or honor.

(b) Each student to whom honors are awarded in any department will receive, immediately after Commencement, a certificate of such award, under the seal of the University and bearing the signatures of the President and the Dean.

GENERAL HONORS

54. *General Honors* are of two grades, Highest General Honors, and General Honors, and are assigned not later than July 1 of each year, without application, to students who are not holders of scholarships, under the following conditions:

Highest General Honors are awarded to students whose work in the previous college year entitles them to high academic distinction.

General Honors are assigned to students of marked excellence who have not won Highest General Honors.

DEPARTMENTAL HONORS

55. Departmental Honors are awarded at the end of the second year, the end of the third year, and the end of the course, and are known respectively as Sophomore Honors, Junior Honors, and Final Honors.

Each candidate for honors must give notice of the fact to the head of the department concerned not later than the beginning of the second half of the

year in which she is to present herself for examination. Substitutes for the courses specified below for honors may be allowed by the Faculty on petition, when good cause is shown.

Sophomore Honors

56. Sophomore Honors are awarded in classics, Germanic languages and literatures, Romance languages and literatures, English, and mathematics.

(a) **CLASSICS**—Candidates for Sophomore Honors in classics must have taken Greek **B** and **I** and Latin **A** or **B** and **I** for at least three hours a week, in both Freshman and Sophomore years, and must not have been classed below grade **C** in Greek **B** and Latin **A** or **B**, or below grade **B** in Greek **I** and Latin **I**. In addition they will be examined in reading Latin and Greek at sight, in Latin and Greek prose composition, and in some special subject connected with the Greek or Latin language or literature, the same to be announced on or before December 1 of each year.

(b) **GERMANIC LANGUAGES AND LITERATURES**—Candidates for Sophomore Honors in German must have taken at least two courses in German, chosen from **2**, **3**, **4**, and **5**, and must not have been classed below grade **B** in any of them. They will also be examined in reading German at sight, in German conversation, and in some special subject connected with the German language and literature, the same to be announced on or before December 1 of each year.

(c) **ROMANCE LANGUAGES AND LITERATURES**—Candidates for Sophomore Honors in Romance languages must have taken at least two courses in French, chosen from **1**, **2**, **4**, and **5**, and must not have been classed below grade **B** in any of them. They will also be examined in reading French at sight, in French conversation, and in some special subject connected with the French language or literature, the same to be announced on or before December 1 of each year.

They may, with the consent and approval of the Department of the Romance Languages and Literatures, be allowed to substitute courses in Italian for the courses in French above mentioned.

(d) **ENGLISH**—Candidates for Sophomore Honors in English must have attained a grade of at least **B** in English **B** and in an elective course in English. They must offer special work in connection with one of these courses. The subject of such special work shall be defined by the professor in charge, on conference with the candidate; and the honors shall be given, on special examination, to those candidates that attain grade **A** in the special work.

(e) **MATHEMATICS**—Candidates for Sophomore Honors in Mathematics must have taken mathematics during the Sophomore year and not have been classed below grade **B** in the course or courses taken, and will also be required to pass an examination on such additional work as may be announced by the Department of Mathematics on or before December 1 of each year.

Junior Honors

57. Junior Honors are awarded in classics, Germanic languages and literatures, Romance languages and literatures, English, mathematics, physics and chemistry, and history.

Candidates for Junior Honors in any subject must either have gained Sophomore Honors in the same subject ; or have taken the courses, and received the grade necessary to qualify them to compete for Sophomore Honors therein ; or have been reported in grade A in all of the courses taken during Junior year in the department in which application for honors is made.

(a) CLASSICS—Candidates for Junior Honors must have taken courses in the department of Classical Philology amounting to at least three hours a week in both Greek and Latin, and must not have been classed below grade B in any such course. They will also be required to pass an examination on such additional matter as may be announced by the Department of Classical Philology on or before December 1 of each year.

(b) GERMANIC LANGUAGES AND LITERATURES—Candidates for Junior Honors in German must have taken two additional courses in the Germanic languages, and must not have been classed below grade B in any of them. They will also be required to pass an examination on some special subject selected by the Department of the Germanic Languages and Literatures, and announced on or before December 1 of each year.

(c) ROMANCE LANGUAGES AND LITERATURES—Candidates for Junior Honors in Romance languages must have taken courses amounting to at least three hours a week of additional work in French, and must not have been classed below grade B in any of them. They will also be required to pass an examination on some special subject selected by the Department of the Romance Languages and Literatures, and announced on or before December 1 of each year.

They may, with the consent and approval of the Department of the Romance Languages and Literatures, be allowed to substitute courses in Italian for the courses in French above mentioned.

(d) ENGLISH—Candidates for Junior Honors in English must select at least two courses in English and must offer special work in connection with one of these courses. The subject of such special work shall be defined each year by the professor in charge, on conference with the candidate ; and the honors shall be awarded to those candidates who attain grade A in the special work, without falling below grade B in any other course or courses in English elected during the year.

(e) MATHEMATICS—Candidates for Junior Honors must have taken Mathematics 6, and must have pursued mathematics during the Junior year and not have been classed below grade B in any of the courses taken. They will also be required to pass a special examination on some subject announced by the Department of Mathematics on or before December 1 of each year.

(f) PHYSICS AND CHEMISTRY—Candidates for Junior Honors must have taken a course in chemistry and one in physics during the Junior year, and must not have been classed below grade B in either of them. They will also be required to pass a special examination in some subject agreed upon by the Departments of Physics and Chemistry, and announced on or before December 1 of each year.

(g) HISTORY—Candidates for Junior Honors must have taken History A, and three additional courses, and must not have been classed below grade B in any

of them. They will also be required to pass a special examination in some subject announced by the Professor of History on or before December 1 of each year.

Final Honors

58. Final Honors are awarded in classics, Germanic languages and literatures, Romance languages and literatures, English, rhetoric and English composition, literature, mathematics, physics and chemistry, zoölogy and botany, history, economics and social science, and in philosophy.

Candidates for Final Honors in any subject must either have gained Junior Honors in the same subject ; or have taken the courses and received the grade necessary to qualify them to compete for Junior Honors therein ; or have been reported in grade A in all of the courses taken during Senior year in the department in which application for honors is made.

(a) **CLASSICS**—Candidates for Final Honors must have taken courses in the departments of Greek and Latin, in the Senior year, amounting to at least six hours a week, and must not have been classed below grade B in any of them. They will also be required to submit, on or before May 1, an essay containing not less than 5000 words on some subject announced by the Department of Classical Philology on or before December 1 preceding.

(b) **GERMANIC LANGUAGES AND LITERATURES**—Candidates for Final Honors in the Germanic languages must have taken additional courses amounting to not less than four hours a week in the Germanic languages, and must not have been classed below grade B in any of them. They will be required to submit, on or before May 1, an essay containing not less than 5000 words on some subject selected by the Department of the Germanic Languages and Literatures, and announced on or before December 1 preceding. They must also show their ability to read with ease any ordinary French.

(c) **ROMANCE LANGUAGES AND LITERATURES**—Candidates for Final Honors in Romance languages must have taken additional courses in the Romance languages amounting to not less than four hours a week, and must not have been classed below grade B in any of them. They will be required to submit, on or before May 1, an essay containing not less than 5000 words on some subject selected by the Department of the Romance Languages and Literatures, and announced on or before December 1 preceding. They must also show their ability to read German with ease.

(d) **ENGLISH**—Candidates for Final Honors in English must elect at least two courses in English and must offer special work in connection with one of these courses. The subject of such special work in each course shall be defined by the professor in charge on conference with the candidate ; and the honors shall be given on special examination to those candidates who attain grade A in the special examination without falling below grade B in any other course or courses in English elected during the year. As part of her special work, each candidate must submit, on or before May 1, an essay of not less than 3000 words, dealing with some aspect of the subject on which she is to be examined.

(e) **MATHEMATICS**—Candidates for Final Honors must have taken Mathematics 7 and 8, and must not have been classed below grade B in either of them. They will also be required to submit, on or before May 1, special

work on some subject announced by the Department of Mathematics on or before December 1 preceding.

(f) PHYSICS AND CHEMISTRY—Candidates for Final Honors must have taken at least one additional course in physics and at least one in chemistry; and must not have been classed below grade B in any of them. They will also be required to submit, on or before May 1, a satisfactory essay on some subject agreed upon by the Departments of Physics and Chemistry, and announced on or before December 1 preceding.

(g) ZOOLOGY AND BOTANY—Candidates for Final Honors must have taken at least one course in chemistry or geology, one in botany, and three in zoölogy; or one in chemistry or geology, one in zoölogy, and three in botany, including laboratory work in all of the subjects; and must not have been classed below grade B in any of them. They will also be required to submit, on or before May 1, a satisfactory essay on some subject agreed upon by the Professors of Zoölogy and Botany, and announced on or before December 1 preceding.

(h) HISTORY—Candidates for Final Honors must have taken at least three additional courses in history, and must not have been classed below grade B in any of them. They will also be required to submit, on or before May 1, a satisfactory essay containing not less than 5000 words on some subject announced by the Professor of History on or before December 1 preceding.

(i) ECONOMICS AND SOCIAL SCIENCE—Candidates for Final Honors must have taken Economics I, and must not have been classed below grade B in either that or Economics A. They must also have taken all the courses in economics and finance offered to Seniors, and must not have been classed below grade B in any of them. They will also be required to submit, on or before May 1, an essay containing not less than 5000 words on some subject agreed upon by the Professors of Economics and Social Science, and announced on or before December 1 preceding.

(j) PHILOSOPHY—Candidates for Final Honors must not have been classed below grade B in Philosophy A, and must have taken at least three courses from among those offered to Seniors by the Departments of Philosophy and Psychology and must not have been classed below grade B in any of them. They will also be required to submit, on or before May 1, an essay containing not less than 5000 words on some subject assigned by the Professors of Philosophy, Ethics, and Psychology, and announced on or before December 1 preceding.

GRADUATION THESES

59. Each candidate for graduation shall, on or before December 15, with the approval of the instructor in charge of one of the courses in which she has studied, or is studying, select for a thesis some subject connected with that course, and communicate her selection to the Dean; under such guidance and with such help as the instructor may deem it right to give her, she shall complete the thesis, or essay, and submit it to the Dean on or before April 2. This thesis shall be judged by the head of the department in which the chosen subject lies; and the judgment shall be passed upon the merit of

the thesis both in its substance and in its style, and shall be reported in writing by the head of the department to the Dean. In his return to the Dean upon a graduation thesis the examining officer shall report :

1. A grade as to substance ;
2. A grade as to style ;
3. A judgment upon its merits as a whole.

Each thesis shall contain, as appendix, a list of authorities that have been used. It shall contain at least 2000 words, unless there be special reasons for reducing its length ; and it shall be retained as the property of the University, in charge of the Librarian.

If any student fail to comply with these requirements, or if her thesis be rejected, she shall not be recommended to the Trustees for graduation.

The graduating theses must be written on firm, strong paper, eleven by eight and one-half inches in dimensions, and a space of one and one-half inches on the inner margin must be left free from writing.

HONORABLE DISMISSION

60. An honorable discharge shall always be granted to any student in good standing who may desire to withdraw from the College ; but no student under the age of twenty-one years shall be entitled to a discharge without the assent of her parent or guardian, given in writing to the Dean.

Students are requested in case of withdrawal during the academic year to file a notice thereof at the office of the Bursar, who will on application provide the blank form for this purpose.

PRIZES

Hermann Botanical Prize

61. A prize of \$50, founded by Mrs. Esther Hermann, will be awarded annually to the most proficient undergraduate student of botany.

Kohn Mathematical Prize

A prize of \$50, founded by Mrs. S. H. Kohn, is awarded annually to a Senior for excellence in mathematics. Competitors for this prize must have pursued mathematics continuously during their college course.

Bunner Medal

The H. C. Bunner Gold Medal, provided for by the interest upon a fund of one thousand dollars, established in November, 1896, by the friends of the late Henry Cuyler Bunner, is awarded annually at Commencement to the candidate for a Columbia degree who shall present the best essay on an assigned subject in American literature. Essays must be submitted to the President on or before May 1. The award will be made by a committee from the Division of English and Literature, to be appointed by the President. The subject for the essay to be handed in May 1, 1900, is "The American Indian in American Poetry"; for 1901, "American Humor prior to 1870."

THE UNIVERSITY LIBRARY

62. The University Library is open daily from 8.30 A.M. until 11 P.M. All officers, students, and graduates of all departments of the University have free access to the Library and may draw books for home use. Undergraduates and alumni may draw books not exceeding three volumes in number for a period not exceeding two weeks, subject to renewal in proper cases.

The reference library of about 10,000 volumes is kept in the general reading-room and may be used freely by all persons. It consists of a carefully selected body of reference books and of the most important works on all subjects in recent editions, including the leading authors in all literature. This collection is supplemented by special lists of books recommended, from time to time, by officers of instruction for reference in connection with their various courses.

The entire Library is carefully and accurately catalogued both by authors and subjects. The catalogue is on cards accessible to the public. Competent reference librarians are on duty to render any needed assistance to readers.

The Library contains about 300,000 volumes, exclusive of unbound pamphlets and duplicates. The additions to the Library for the past five years have averaged over 18,000 volumes annually. The Library is well furnished in all the subjects taught in the various courses of the University.

REGISTER OF STUDENTS

GRADUATE STUDENTS

Andrews, Grace.....	New York City
Wellesley College, B.Sc.	
Columbia University, A.M.	
<i>Mathematics.</i>	
Banta, May.....	Brooklyn, N. Y.
Wellesley College, B.Sc.	
<i>Chemistry, Botany.</i>	
Bates, Abby Barstow.....	Newton, Mass.
Boston University, A.B., A.M.	
<i>History.</i>	
Belcher, Sarah Drowne.....	New York City
Boston University, A.B.	
Woman's Medical College, M.D.	
New York University, A.M.	
<i>Sociology.</i>	
Bloomingdale, Rosalie.....	New York City
Columbia University, A.B.	
<i>Economics, Sociology, History.</i>	
Boetzkes, Edith Helen.....	Brooklyn, N. Y.
Columbia University, A.B.	
<i>German.</i>	
Bogart, Sarah Helen.....	New York City
Wellesley College, A.B.	
<i>Education, Latin, Greek.</i>	
Bois, Elizabeth Hickman du.....	New York City
Cornell University, A.B.	
<i>Latin, Greek.</i>	
Bowman, Elsa.....	New York City
Bryn Mawr College, A.B.	
<i>Mechanics.</i>	
Bracken, Mary Frances.....	Pittsburgh, Pa.
Pittsburgh Female College, A.B.	
<i>Mathematics.</i>	
Brickelmaier, Alice Gertrude.....	Brooklyn, N. Y.
Cornell University, B.Sc.	
<i>Education, German.</i>	
Brown, Marianna Catherine.....	New York City
Vassar College, A.B.	
<i>Education, Latin.</i>	

Bryson, Ella Fitzgerald (Mrs. F. G. Bryson).....	New York City
Columbia University, A.B.	
<i>Greek.</i>	
Casamajor, Alice.....	Brooklyn, N. Y.
Adelphi College, A.B.	
<i>History, Sociology,</i>	
Clews, Elsie Worthington.....	New York City
Columbia University, A.B., A.M., Ph.D.	
<i>Anthropology.</i>	
Coddington, Emily Matilda.....	New York City
London University, A.B.	
Columbia University, A.M.	
<i>Mathematics, Greek.</i>	
Cody, Lydia Sarah.....	Cleveland, O.
Boston University, A.B.	
<i>Psychology.</i>	
Coe, Miriam Stous.....	New York City
Smith College, B.Sc.	
<i>Physics.</i>	
Cram, Helen Lillie.....	New York City
University of Vermont, A.B.	
<i>Education, Sociology, Psychology.</i>	
Davison, Ellen Scott.....	Louisville, Ky.
Wellesley College, B.Sc.	
Western Reserve University, A.M.	
<i>History, Sociology.</i>	
Dewolf, Grace Amelia.....	Newark, N. J.
Bucknell University, Ph.B.	
<i>Mathematics, Astronomy, Mechanics.</i>	
Dowden, Florence Anderson.....	Newark, N. J.
Columbia University, A.B.	
<i>English, Education.</i>	
Emerson, Ruth.....	New York City
Bryn Mawr College, A.B.	
<i>Greek.</i>	
Fishel, Lillian Henrietta.....	Babylon, L. I.
Wellesley College, B.Sc.	
<i>Latin.</i>	
Flint, Frances Elizabeth Holeman.....	New York City
Cornell University, A.B.	
<i>Greek, Education.</i>	
Furness, Caroline Ellen.....	Cincinnati, O.
Vassar College, A.B.	
<i>Astronomy.</i>	
Gibson, Harriet Winfield (Mrs. J. S. Gibson).....	Newark, N. J.
Wellesley College, A.B.	
Columbia University, A.M., Ph.D.	
<i>Chemistry.</i>	
Gildersleeve, Virginia Crocheron.....	New York City
Columbia University, A.B.	
<i>History, Sociology.</i>	

Giles, Mabel Ferry.....	Forest Lake, Ill.
Smith College, B.L.	
<i>Sociology.</i>	
Golay, Juliette.....	Bangor, Me.
Vassar College, A.B.	
<i>Greek.</i>	
Goldmark, Josephine.....	New York City
Bryn Mawr College, A.B.	
<i>Education.</i>	
Hammerslough, Carrie.....	New York City
Columbia University, A.B., A.M.	
<i>Mathematics, Italian.</i>	
Harris, Mary Bradford.....	New York City
Columbia University, A.B.	
<i>Latin.</i>	
Hedden, Dorcas.....	Charlton, N. Y.
University of Michigan, B.L.	
<i>German, Education.</i>	
Herr, Etta.....	Lancaster, Pa.
Bryn Mawr College, A.B.	
<i>Psychology, Sociology.</i>	
Hewins, Nellie Priscilla.....	Maspeth, L. I.
Cornell University, B.Sc.	
<i>Botany, Zoölogy, Education.</i>	
Hill, Mabel Wood (Mrs. F. T. Hill).....	New York City
Smith College, B.L.	
<i>Music.</i>	
Hirst, Gertrude Mary.....	Ruswarp, Whitby, England
Newnham College, Cambridge, Eng., A.B. (equivalent).	
<i>Greek, Latin.</i>	
Hulbert, Edith Josephine.....	New York City
Vassar College, A.B.	
Columbia University, A.M.	
<i>Sociology, Economics, Philosophy.</i>	
Hurd, Mabel.....	New York City
Smith College, B.L.	
<i>Anthropology.</i>	
Jackson, Alice Rebekah.....	Kennett Square, Pa.
Wellesley College, B.Sc.	
<i>English, Literature, Education.</i>	
Kelsey, Louise Hoyt.....	New York City
Smith College, A.B., A.M.	
<i>Education.</i>	
Lathrop, Ella Roselle.....	Bridgeport, Conn.
Columbia University, A.B.	
<i>Greek, Latin.</i>	
Logan, Lily.....	Howardsville, Va.
Tulane University, A.B.	
<i>Chemistry.</i>	
Loshe, Lillie Deming.....	Stamford, Conn.
Bryn Mawr College, A.B.	
<i>Sociology, Literature, French.</i>	

McDowell, Clotilda Lyon (Mrs. W. F. McDowell).....	New York City
Ohio Wesleyan University, B.L.	
<i>Sociology.</i>	
McDowell, Mary Stone.....	New York City
Swarthmore College, A.B.	
<i>Latin, Education, Greek.</i>	
MacVay, Anna Pearl.....	Athens, O.
Ohio University, A.B.	
<i>Greek, Latin.</i>	
Maitland, Louise (Mrs. W. Maitland).....	Palo Alto, Cal.
Leland Stanford Jr. University, A.B.	
<i>Philosophy, Education, Psychology.</i>	
Marshal, Florence Mabel.....	New York City
Boston University, A.B.	
<i>History.</i>	
Marshall, Jessica Beatrice.....	New York City
Syracuse University, Ph.B.	
Cornell University, A.M.	
<i>Literature, English, Education.</i>	
Martin, Anna Henrietta.....	Reno, Nev.
Nevada State University, A.B.	
Leland Stanford Jr. University, A.B., A.M.	
<i>History, Sociology.</i>	
Mitchell, Charly Tiffany.....	New London, Conn.
Bryn Mawr College, A.B.	
<i>Sociology, History, Economics.</i>	
Moore, Anna Lewis.....	Framingham, Mass.
Smith College, A.B.	
<i>History, Education.</i>	
Myers, Susan Isabella.....	New York City
Columbia University, A.B., A.M.	
<i>Greek.</i>	
Nammack, Elizabeth Frances.....	New York City
Columbia University, A.B., A.M.	
<i>Latin, Greek.</i>	
Olmstead, Susan Hawley.....	New York City
University of Minnesota, B.L.	
<i>Education.</i>	
Opdyke, Florence Morey.....	Jersey City, N. J.
Boston University, A.B.	
<i>History, Literature.</i>	
Ornstein, Martha.....	New York City
Columbia University, A.B.	
<i>Mathematics, Mechanics, History, Sociology.</i>	
Palmer, Leila Madge.....	Brooklyn, N. Y.
Smith College, A.B.	
<i>Greek.</i>	
Perkins, Alice Jane Gray.....	Schenectady, N. Y.
Columbia University, A.B., A.M.	
<i>Latin, Greek.</i>	

Perkins, Anna Louise.....	New York City
Vassar College, A.B.	
<i>Music.</i>	
Pfizer, Alice Margarete Henriette.....	Brooklyn, N. Y.
Adelphi College, A.B.	
<i>Sociology, German, Psychology.</i>	
Place, Louise.....	New York City
Columbia University, A.B.	
<i>Latin, Education, Greek.</i>	
Port, Mary Alice.....	Chenango Forks, N. Y.
Smith College, A.B.	
<i>Greek, Latin, Education.</i>	
Reed, Emma Louisa.....	New York City
Wesleyan University, Ph.B.	
<i>History.</i>	
Reiley, Katharine Campbell.....	New York City
Vassar College, A.B.	
<i>Latin, Greek.</i>	
Rosenkrantz, Esther.....	San Francisco, Cal.
Leland Stanford Jr. University, A.B.	
<i>Physics.</i>	
Schoneman, May Cadette.....	New York City
Bryn Mawr College, A.B.	
<i>Sociology, Literature, French.</i>	
Slater, Ora Winona Louise.....	Summit, N. J.
Wellesley College, A.B.	
<i>Mechanics.</i>	
Stevens, Mary Ellen.....	Hiram, O.
Hiram College, B.Sc.	
<i>History.</i>	
Striker, Edith Parker.....	East Orange, N. J.
Columbia University, A.B.	
<i>Greek, Education, Latin.</i>	
Torrance, Flora Chapman (Mrs. S. A. Torrance).....	New York City
Cornell University, Ph.B., Ph.M.	
<i>History.</i>	
Warren, Ruth Annette.....	New York City
Smith College, A.B.	
<i>Latin.</i>	
Watson, Isabella.....	Northfield, Minn.
Carleton College, B.L.	
<i>French, German.</i>	
Watterson, Ada.....	New York City
Columbia University, A.B.	
<i>Botany, Zoölogy, Chemistry, Education.</i>	
Wilcox, Maude.....	New Rochelle, N. Y.
Columbia, University, A.B., A.M.	
<i>Economics.</i>	
Wilson, Jane Stedman.....	New York City
Lake Forest University, A.B.	
<i>Latin.</i>	

Wohlfarth, Amelia.....	New York City
Columbia University, A.B.	
<i>German, Education.</i>	
Wolff, Gertrude.....	New York City
Columbia University, A.B.	
<i>Latin.</i>	
Wood, Alice Ida.....	New York City
Wellesley College, B.Sc.	
<i>Education, English.</i>	
Woodhull, Marianna.....	New York City
Smith College, A.B.	
<i>Literature.</i>	

SENIOR CLASS

Baldwin, Florence Theodora.....	New York City
Prepared by the Gardner School.	
Barrick, Willina.....	Jersey City, N. J.
Prepared by the Flemington High School.	
Bennett, Agnes Leonard.....	Hackensack, N. J.
Prepared by Teachers College.	
Blossom, Margaret.....	Brooklyn, N. Y.
Prepared by the Packer Collegiate Institute and Teachers College.	
Bryant, Elizabeth Eggleston.....	Gilbertsville, N. Y.
Prepared by Teachers College.	
Chandor, Valentine Laura.....	Plainfield, N. J.
Prepared by Teachers College.	
Clarke, Madge Sutherland.....	Brooklyn, N. Y.
Prepared for Advanced Standing by the Harvard Summer School, New York University, and elsewhere.	
Cole, Helen.....	Yonkers, N. Y.
Prepared by the Yonkers High School.	
Crawford, Margaret.....	Jersey City, N. J.
Prepared by the Jersey City High School.	
Dale, Florence Dwight.....	New York City
Transferred from Radcliffe College.	
Germann, Susan Matilda.....	Brooklyn, N. Y.
Prepared by the Brooklyn Girls' High School and private study.	
Gillespy, Jeannette Bliss.....	New York City
Prepared by Teachers College.	
Goldsborough, Mary Loockerman.....	Easton, Md.
Prepared by St. Hilda's School, Morristown, N. J., and Miss Anne Brown's School.	
Hubbard, Mildred.....	Winchester, Ill.
Prepared for Advanced Standing by Mt. Holyoke College and the University of Chicago.	
Hutchinson, Florence.....	South Orange, N. J.
Transferred from Wellesley College.	
Karger, Louise.....	Cleveland, O.
Transferred from the Western Reserve University.	

Keagey, Esther.....	Buffalo, N. Y.
Prepared for Advanced Standing by Hamilton Ladies' College.	
Keller, Eleanor.....	New York City
Prepared by Miss Gibbons' School.	
Kingsbury, Stella Frances.....	New York City
Prepared by Miss Gibbons' School.	
Kyte, Florence Leslie	Fanwood, N. J.
Prepared by the Plainfield High School.	
Levy, Martha Washington.....	Newark, N. J.
Transferred from the Woman's College, Baltimore.	
Lippincott, Florence.....	New York City
Prepared by the Normal College and tutors.	
Mapelsden, Elizabeth Hoffman	Brooklyn, N. Y.
Prepared by Private Schools and tutor.	
Newborg, Hilda.....	New York City
Prepared by tutors.	
Newcomb, Virginia.....	Boston, Mass.
Transferred from Smith College.	
Osborne, Evelyn.....	New York City
Transferred from Wellesley College.	
Pollard, Grace Isabelle.....	Orange, N. J.
Prepared by the East Orange High School.	
Reiley, Ellinor Ten Broeck.....	New York City
Prepared by the Normal College and tutor.	
Rosenstein, Sarah Bertha.....	New York City
Prepared by Mrs. L. Weil's School.	
Sandford, Emma Dusinberre.....	Geneva, N. Y.
Prepared for Advanced Standing by Mt. Holyoke College.	
Schwed, Cecile Heller.....	New York City
Prepared by tutors.	
Scott, Cora Arnot.....	New York City
Prepared by Teachers College.	
Sill, Florence Miller.....	New York City
Prepared by the Horace Mann School.	
Simpson, Edna Belle.....	Beaver Falls, Pa.
Prepared for Advanced Standing by Geneva College.	
Straus, Sara.....	New York City
Transferred from Bryn Mawr College.	
Sumner, Mary Brown.....	New York City
Prepared by St. Mary's School.	
Van Horne, Katharine.....	Jersey City, N. J.
Prepared by the Burnham School, Northampton, Mass.	
Watkins, Julia Cooper.....	Montclair, N. J.
Prepared by the Montclair High School.	
Woodhull, Mary Caldwell.....	Craigville, N. Y.
Prepared by Llynton Hall, Newburgh, N. Y.	
Wurzburger, Julie.....	New York City
Prepared by tutor.	

JUNIOR CLASS

Barrick, Mary Olive.....	Jersey City, N. J.
Prepared by the Flemington High School.	
Beer, Alice.....	New York City
Prepared by Mrs. J. G. Deane.	
Bergen, Elsa Gubner	Brooklyn, N. Y.
Prepared by Professor Deghuée's School for Girls.	
Berry, Edith.....	East Orange, N. J.
Prepared by the East Orange High School.	
Bloodgood, Lisa Delevan.....	Brooklyn, N. Y.
Prepared by Miss Rounds' School.	
Buffington, Margaret.....	Milburn, N. J.
Prepared by the Orange High School.	
Cameron, Marie Elise Helen.....	Woodside, N. Y.
Prepared by the Flushing High School.	
Catlin, Helen Elizabeth.....	Bloomfield, N. J.
Prepared by the Bloomfield High School.	
Cutting, Harriet Elizabeth.....	Yonkers, N. Y.
Prepared by the Yonkers High School.	
Dederer, Pauline Hamilton	New York City
Prepared by the Long Branch High School.	
Eaton, Mary Lavinia	Nyack, N. Y.
Prepared by the Collegiate School, Englewood, N. J.	
Elting, Mabel	New Paltz, N. Y.
Transferred from Cornell University.	
Fisher, Mary Hedges.....	Mount Vernon, N. Y.
Transferred from Wellesley College.	
Hanks, Lenda Tracy	New York City
Prepared by Miss Chisholm's School.	
Heroy, Madalene.....	New York City
Prepared by tutors.	
Hudson, Clara Elizabeth	Astoria, N. Y.
Prepared by the Astoria Latin School.	
Isaacs, Isabel Estelle.....	New York City
Prepared by tutor.	
Jacobs, Lillie Friedlander.....	Brooklyn, N. Y.
Prepared by the Park Avenue School.	
Johnson, Adèle Remsen.....	Brooklyn, N. Y.
Prepared by tutor and private study.	
Josephthal, Hilda Emily	New York City
Prepared by the Misses Moses' School.	
Kane, Helen Agnes.....	Brooklyn, N. Y.
Prepared by the Packer Collegiate Institute.	
Kellogg, Olive Catherine.....	New York City
Prepared by Teachers College.	
Kraker, Rose Lois.....	Rochester, N. Y.
Prepared by the Free Academy, Rochester, N. Y.	

Loveman, Amy	New York City
Prepared by the Horace Mann School.	
McKim, Christina Louise.....	Yonkers, N. Y.
Prepared by the Yonkers High School.	
Oppenheimer, Florence.....	New York City
Prepared by St. Mary's School.	
Osborn, Bessie May.....	Yonkers, N. Y.
Prepared by the Yonkers High School.	
Pollak, Meta	Summit, N. J.
Prepared by Miss Heilprin's School, Summit, N. J.	
Preston, Jennie Florence.....	Orange, N. J.
Transferred from Bryn Mawr College.	
Rennert, Rosina Julia.....	New York City
Prepared by the Normal College.	
Roberts, Elizabeth Carpenter.....	Flushing, N. Y.
Prepared by the Flushing High School.	
Sanville, Florence Lucas.....	New York City
Prepared by the Bloomfield High School.	
Schuyler, Sarah Edwards.....	Plainfield, N. J.
Prepared by the Plainfield High School.	
Straus, Sissie Cecile.....	New York City
Prepared by Dr. Sachs' School for Girls, and tutors.	
Studdiford, Jannetta Gordon.....	Lambertville, N. J.
Transferred from Bryn Mawr College.	
Townsend, Marian Goodall.....	New York City
Prepared by the Horace Mann School.	
Wallach, Alma Frank.....	New York City
Prepared by the Misses Moses' School.	
Wendell, May Godfrey.....	Bridgeport, Conn.
Prepared by the Bridgeport High School.	
Wendt, Cordelia.....	Larchmont, N. Y.
Prepared by Miss Gibbons' School.	
Whitney, Catherine Elizabeth.....	New York City
Prepared by the Mount Vernon High School.	

SOPHOMORE CLASS

Allen, Elizabeth.....	Brooklyn, N. Y.
Prepared by the Packer Collegiate Institute.	
Alsberg, Elsa.....	New York City
Prepared by Private School and tutor.	
Belcher, Frances Elinor.....	Mount Vernon, N. Y.
Prepared by the Lockwood Collegiate Institute.	
Brown, Bertha.....	Bloomfield, Canada
Transferred from the University of Toronto.	
Budd, Mary Hunt.....	Chester, N. J.
Prepared by Private School.	

Carll, Lydia Adèle.....	Whitestone, N. Y.
Prepared by the Flushing High School.	
Chapin, Edna Cara.....	Mount Vernon, N. Y.
Prepared by the Mount Vernon High School.	
Clark, Margaret Elizabeth.....	Amenia Union, N. Y.
Prepared by private study.	
Coddington, Elizabeth Margaret.....	Passaic, N. J.
Prepared by the Passaic High School.	
Cook, Clara Coburn.....	Yonkers, N. Y.
Transferred from the Woman's College, Baltimore.	
DeHart, Grace Lucille.....	Jersey City, N. J.
Prepared by the Jersey City High School.	
Donald, Rebecca Staunton.....	New York City
Prepared by Miss Whiton's and Miss Bangs' School.	
Durant, Edith.....	New York City
Prepared by Miss Chisholm's School.	
Dutcher, Eva Olive.....	New York City
Prepared by the Brooklyn Girls' High School.	
Earle, Ruth.....	New York City
Prepared by the Yonkers High School.	
Elliman, Margaret Grote.....	New York City
Prepared by the Horace Mann School.	
Hall, Mary Dederick.....	Mount Vernon, N. Y.
Prepared by tutors.	
Hunt, Eleanore Harrison.....	West Orange, N. J.
Prepared by the Dearborn-Morgan School.	
Ingalls, Edith May.....	New Rochelle, N. Y.
Prepared by the New Rochelle High School.	
Kimball, Viola Louise.....	Greenwich, Conn.
Prepared by the Greenwich High School.	
McKenney, Annie Pickerell.....	Petersburg, Va.
Prepared by the Southern Female College, Petersburg, Va.	
Moore, Martha Wickham.....	Passaic, N. J.
Prepared by Public and Private Schools and tutors.	
Neiswender, Ada Blanche Clouse.....	Brooklyn, N. Y.
Prepared by the Brooklyn Girls' High School.	
Newman, Ethel Leone.....	Riverside, Conn.
Prepared by the Greenwich High School.	
Oppenheim, Flossy May.....	Albany, N. Y.
Prepared by St. Agnes' School, Albany, N. Y., and tutor.	
Peters, Grace Malvina.....	Brooklyn, N. Y.
Prepared by the Brooklyn Girls' High School.	
Phelps, Eleanor.....	New York City
Prepared by Miss Anne Brown's School.	
Pollak, Wilma Vera.....	New York City
Prepared by the Park Avenue School.	

Rosenstein, Alma.....	New York City
Prepared by Mrs. L. Weil's School.	
Seibert, Jeannette Rowland.....	Brooklyn, N. Y.
Prepared by the Brooklyn Girls' High School.	
Seward, Annie Leddell.....	East Orange, N. J.
Prepared by the East Orange High School.	
Shaen, Mary Carolyn.....	Yonkers, N. Y.
Prepared by the Yonkers High School.	
Totten, Elsie Lloyd.....	New York City
Prepared by the Peeble-Thompson School.	
Van Cott, Eleanor Elizabeth.....	New York City
Prepared by the Horace Mann School.	
Wehncke, Marie Louise.....	Stapleton, N. Y.
Prepared by the Staten Island Academy.	
Winterburn, Una Adèle.....	Edgewater-on-Hudson, N. Y.
Prepared by Private School and tutor.	
Wright, Helen Maria.....	Brooklyn, N. Y.
Prepared by the Brooklyn Girls' High School.	

FRESHMAN CLASS

Addoms, Jessie Alice.....	Brooklyn, N. Y.
Prepared by the Brooklyn Girls' High School.	
Bamberger, Alice Clara Judith.....	Brooklyn, N. Y.
Prepared by the Misses Ely's School.	
Bogia, Susie Harris.....	Passaic, N. J.
Prepared by the Passaic High School.	
Boote, Edith.....	Yonkers, N. Y.
Prepared by the Yonkers High School.	
Cahn, Anita Gella.....	New York City
Prepared by the Park Avenue School.	
Campbell, Elsa Patterson.....	Kansas City, Mo.
Prepared by Miss Graham's School.	
Cheesman, Florence Palmer.....	New York City
Prepared by the Horace Mann School.	
Clark, Gertrude Helen.....	New York City
Prepared by the Misses Rayson's School.	
Cohen, Helen Louise.....	New York City
Prepared by Dr. Sachs' School for Girls.	
Coleman, Anna Aloysius Agnes.....	Pelham Manor, N. Y.
Prepared by the Mount Vernon High School.	
Fitch, Ellice Heaton.....	New York City
Prepared by the Barnard Classes.	
Fry, Edna Louise.....	Bath Beach, N. Y.
Prepared by the Brooklyn Girls' High School.	
Groff, Mary.....	Jersey City, N. J.
Prepared by the Jersey City High School.	

Gruening, Clara Emilia.....	New York City
Prepared by the Park Avenue School.	
Harrison, Mary Frederica.....	Brooklyn, N. Y.
Prepared by the Brooklyn Girls' High School.	
Herzfeld, Elsa Goldina.....	New York City
Prepared by Dr. Sachs' School for Girls.	
Hill, Edith.....	New York City
Prepared by the New York Girls' High School.	
Hope, Ida May.....	New York City
Prepared by the Northfield Seminary, East Northfield, Mass.	
Horn, Elizabeth.....	East Orange, N. J.
Prepared by the State Normal School, Trenton, N. J.	
Howard, Clare Maclelen.....	New York City
Prepared by the Horace Mann School.	
Johnson, May Amerman	New York City
Prepared by the Brooklyn Girls' High School.	
Kaufmann, Jessie.....	New York City
Prepared by the Park Avenue School.	
King, Helen Louise.....	New York City
Prepared by the New York Girls' High School.	
Kohn, Lucile.....	New York City
Prepared by Miss Anne Brown's School.	
Kroeber, Elsbeth.....	New York City
Prepared by Dr. Sachs' School for Girls.	
Latham, Marion Elizabeth.....	New York City
Prepared by the Horace Mann School.	
Lewisohn, Adele Teresa.....	New York City
Prepared by Miss Anne Brown's School.	
Lockwood, Hilda Le Grand.....	New York City
Prepared by Miss Low's School, Stamford, Conn.	
McAuliffe, Grace.....	New York City
Prepared by tutor.	
May, Eleanor Cushing.....	New York City
Prepared by the Walnut Hill School, Natick, Mass.	
Miller, Jean Wallace.....	New York City
Prepared by the Packer Collegiate Institute.	
Moen, Mary Warren.....	New York City
Prepared by the Misses Rayson's School.	
Newton, Ethel Blanchard.....	Montclair, N. J.
Prepared by the Montclair High School.	
Nones, Sadie Floy.....	New York City
Prepared by the Horace Mann School.	
Pool, Ethel Manter.....	New York City
Prepared by the Barnard Classes.	
Poole, Katharine Ellen.....	Faribault, Minn.
Prepared by St. Mary's Hall, Faribault, Minn.	

Rauh, Florence Ethel.....	New York City
Prepared by the Normal College and tutor.	
Robinson, Amelia Maude.....	Sayville, N. Y.
Prepared by the Sayville High School.	
Rogers, Helen Miles.....	Fond du Lac, Wis.
Prepared by Grafton Hall, Fond du Lac, Wis.	
Seguine, Laura Randolph.....	Rosebank, N. Y.
Prepared by the Staten Island Academy.	
Shainwald, May Seville.....	New York City
Prepared by the Ethical Culture School.	
Sherman, Lucy Fidelia.....	Peekskill, N. Y.
Prepared by St. Gabriel's School, Peekskill, N. Y.	
Siedler, Marguerite.....	New York City
Prepared by tutor.	
Skinner, Madeleine Dayrell.....	Brooklyn, N. Y.
Prepared by the Packer Collegiate Institute.	
Spencer, Carita.....	New York City
Prepared by Miss Graham's School.	
Stern, Irma Regina.....	New York City
Prepared by Dr. Sachs' School for Girls.	
Straus, Mildred Caroline.....	New York City
Prepared by the Misses Ely's School.	
Thompson, Bessie Ilsley.....	Brooklyn, N. Y.
Prepared by the Packer Collegiate Institute.	
Toscano, Louise Josephine Colvin.....	Astoria, N. Y.
Prepared by the New York Collegiate Institute.	
Van Cise, Laura Knowles.....	Summit, N. J.
Prepared by the Summit School for Girls.	
Wallach, Adelheid Nettie.....	New York City
Prepared by the Horace Mann School.	
Walters, Elizabeth Roe.....	Little Neck, N. Y.
Prepared by the Flushing High School.	
Ware, Anna Goodwin.....	New York City
Prepared by the New York Girls' High School.	
Wilcox, Ethel Dodge.....	New Rochelle, N. Y.
Prepared by the New Rochelle High School.	

SPECIAL STUDENTS

Butler, Eliza Rhees.....	Paterson, N. J.
<i>Economics.</i>	
Byrnes, Clara.....	New York City
<i>Sociology.</i>	
Carman, Cerise Emily Agnes.....	New York City
<i>Economics, Sociology, Rhetoric.</i>	
Finnigan, Bessie May.....	New York City
<i>Rhetoric, English.</i>	

Haydock, Amelia.....	New York City
<i>Rhetoric.</i>	
Jones, Edith Louise.....	Denver, Col.
<i>Chemistry.</i>	
Kunz, Eda Flora.....	Erie, Pa.
<i>Rhetoric, English, Philosophy, German, Latin.</i>	
Lewis, Mary Sinton.....	Morristown, N. J.
<i>German.</i>	
Liebmann, Clara (Mrs. C. Liebmann).....	New York City
<i>Gothic.</i>	
McCook, Janet Alexander.....	New York City
<i>Latin, English, German, Rhetoric, History.</i>	
Miller, Mary Anna Cotton.....	New York City
<i>Psychology.</i>	
Mitchell, Groesbeeck Evelyn.....	East Orange, N. J.
<i>Physics, German.</i>	
Moffett, Jeannette Todd.....	Watertown, N. Y.
<i>History.</i>	
Murray, Harriet Cock.....	Chappaqua, N. Y.
<i>English, History, French, Rhetoric.</i>	
Parsons, Constance.....	New York City
<i>History.</i>	
Pratt, Harriette Louise.....	New Milford, Pa.
<i>English, French, Music.</i>	
Sait, Muriel.....	Toronto, Canada
<i>Latin, French, Rhetoric, History, Chemistry, Mathematics.</i>	
Simons, Letitia Willis.....	Port Chester, N. Y.
<i>German, Zoölogy, Rhetoric, Economics.</i>	
Straus, Minnie.....	New York City
<i>Economics, History.</i>	
Thompson, Maud.....	New York City
<i>Greek.</i>	
Warren, Belle Reed.....	New York City
<i>German, Rhetoric.</i>	

STUDENTS FROM TEACHERS COLLEGE

Brinckerhoff, Emily Vanderbilt.....	Mount Vernon, N. Y.
<i>Rhetoric.</i>	
Carhart, Elizabeth Merle.....	Peekskill, N. Y.
<i>German.</i>	
Clark, Ada Ranney.....	Cresskill, N. J.
<i>Chemistry.</i>	
Delaney, Harmie Alice.....	Gloversville, N. Y.
<i>Mathematics.</i>	
Dummig, Carrie Josephine.....	Brooklyn, N. Y.
<i>Chemistry.</i>	

Frost, Laura Redington.....	Meriden, Conn.
<i>English.</i>	
Gallert, Fanny.....	Waterville, Me.
<i>French.</i>	
Hollis, Ida Minerva.....	Hornellsville, N. Y.
<i>Rhetoric.</i>	
Jarvis, Ellen Anderson.....	Brooklyn, Conn.
<i>French.</i>	
Johnson, Euphemia.....	Middleton, Conn.
<i>German.</i>	
Jones, Frances Fahnestock.....	Bethlehem, Pa.
<i>Mathematics.</i>	
LaMonte, Sue Life.....	Owego, N. Y.
<i>Latin.</i>	
Luddington, Harriet Adelaide.....	New Haven, Conn.
<i>French.</i>	
* McCready, Margaret Alice.....	New York City
<i>History.</i>	
McKinstry, Grace.....	Chautauqua, N. Y.
<i>German.</i>	
Norsworthy, Naomi.....	Rutherford, N. J.
<i>Physics, Chemistry.</i>	
Spurr, Mary Clark.....	Sheffield, Mass.
<i>Mathematics.</i>	
Tuttle, Gertrude.....	Hornellsville, N. Y.
<i>Economics.</i>	

STUDENTS OF MUSIC

Aller, Kathryn Lewis.....	Mount Vernon, N. Y.
Barnes, Madeleine Winthrop.....	New York City
Boyd, Clifford Moody.....	Mount Vernon, Ia.
Brown, Helen Sabin (Mrs. C. E. Brown).....	Belvedere, Ill.
Chapin, Caroline Booth.....	Englewood, N. J.
Chase, Mary Livingston.....	Scarsdale, N. Y.
Dambmann, Emma Amelia.....	Baltimore, Md.
Davis, Alice.....	New York City
Diller, Angela.....	Brooklyn, N. Y.
Dyer, Agnes Louise.....	Brooklyn, N. Y.
Gallagher, Angela.....	New York City
Gottschalk, Clara Aimee.....	New York City
Griffing, Anne Van Winkle (Mrs. E. B. Griffing).....	New York City
Harris, Bessie Corney (Mrs. J. B. Harris).....	New York City
Hilton, Ida Leigh.....	Nyack-on-Hudson, N. Y.
Holmes, Caroline Sweet.....	Montclair, N. J.
Kahnweiler, Bettina.....	New York City
Lane, Cara.....	New York City

* Died, April, 1900.

Levy, Fanny Granbery.....	Mount Vernon, N. Y.
Lienau, Cornelia Catherine.....	New York City
Littig, Mary Langsdorff.....	New York City
Lohmann, Helen.....	New York City
Loomis, Jeanet Ellinwood.....	Attica, N. Y.
Manning, Agnes.....	New York City
Mills, Constance Sprague.....	San Diego, Cal.
Mitchell, Edith.....	New York City
Mitchell, Nina.....	Flushing, L. I.
Olmsted, Lily Remington.....	Buffalo, N. Y.
Porter, Jeanette Steele.....	New York City
Prosser, Mary Belle.....	Kansas City, Mo.
Putnam, Alice.....	Chicago, Ill.
Simmons, Fay.....	North Cambridge, Mass.
Underhill, Jean Williams.....	New York City
Van Ingen, Helen.....	Brooklyn, N. Y.
Watson, Jo-Shipley.....	New York City
Weil, Helene Margaret.....	New York City
Weir, Frances Underhill.....	Ilion, N. Y.
Weymouth, Grace Margaret.....	Lock Haven, Pa.
Whitehead, Julia Halsey.....	New York City
Whiteside, Mary.....	New York City
Woodman, Frances Urania.....	New York City

RECIPIENTS OF DEGREES

The degree of DOCTOR OF PHILOSOPHY has been conferred by Columbia University upon students in Barnard College as follows :

In 1895

Pettit, Anna Stockton (Mrs. Herbert Pettit)..... Lawrence Station, N. Y.
St. Lawrence University, B.Sc.; Columbia College, A.M.

In 1898

Grieve, Lucy Catherine Graeme..... New York City
Wellesley College, A.B., A.M.; Columbia University, A.M.
Whiton, Helen Isabel..... New York City
Smith College, A.B.; Columbia University, A.M.

In 1899

Clews, Elsie Worthington..... New York City
Columbia University, A.B., A.M.
Winfield, Harriet..... Hamburg, N. J.
Wellesley College, A.B.; Columbia University, A.M.

The degree of MASTER OF ARTS has been conferred by Columbia University upon the students in Barnard College named in the following list :

In 1894

Pettit, Anna Stockton (Mrs. Herbert Pettit).....Lawrence Station, N. Y.
St. Lawrence University, B.Sc.

Sebring, Emma Goodeve.....Tarrytown, N. Y.
Smith College, A.B.

In 1895

Pearson, Agnes Lillie.....Mt. Vernon, N. Y.
Cornell University, B.Sc.

In 1896

Blake, Marion Stanley.....Englewood, N. J.
Vassar College, A.B.

Clarke, Martha Reynolds.....Providence, R. I.
Brown University, A.B.

Nammack, Elizabeth Frances.....New York City
Columbia University, A.B.

Palmer, Jean Culbert.....Brooklyn, N. Y.
Vassar College, A.B.

Sterne, Alice.....New York City
Smith College, A.B.; College of Preceptors (London, Eng.), M.C.P.

Taintor, Amey Talbot.....Stratford, Conn.
Smith College, B.L.

Williams, Elizabeth Sprague.....Buffalo, N. Y.
Smith College, B.Sc.

Winfield, Harriet.....Hamburg, N. J.
Wellesley College, A.B.

In 1897

Annan, Helen Culbertson.....New York City
Bryn Mawr College, A.B.

Cheever, Louise Sewall.....Worcester, Mass.
Smith College, A.B.

Clews, Elsie Worthington.....New York City
Columbia University, A.B.

Hammerslough, Carrie.....New York City
Columbia University, A.B.

Hulbert, Edith Josephine.....New York City
Vassar College, A.B.

Keys, Alice Maplesden.....New York City
Columbia University, A.B.

McMurtrie, Mary Dorsey.....Chestnut Hill, Pa.
Bryn Mawr College, A.B.

Parsons, Mabel.....	New York City
Columbia University, A.B.	
Smith, Jessie Frances.....	North Grafton, Mass.
Vassar College, A.B.	
Whiton, Helen Isabel.....	New York City
Smith College, A.B.	
Ziegler, Clara Louise.....	Columbiana, O.
Oberlin College, A.B.	

In 1898

Coddington, Emily Matilda.....	New York City
London University, A.B.	
Cutting, Elizabeth Brown.....	Brooklyn, N. Y.
Vassar College, A.B.	
Eaton, Isabel.....	New York City
Smith College, B.L.	
Emerson, Dora Bay.....	Rockford, Ill.
Wellesley College, B.Sc.	
Gunton, Ellen.....	New York City
Swarthmore College, A.B.	
Heald, Lucy.....	Worcester, Mass.
Smith College, A.B.	
Lamont, Florence Corliss (Mrs. Thomas W. Lamont)	Englewood, N. J.
Smith College, B.Sc.	
Morrill, Lucia.....	Conway Centre, N. H.
Wellesley College, A.B.	
Rudolph, Adelaide.....	New York City
Hiram College, A.B.	
Stettheimer, Ettie.....	New York City
Columbia University, A.B.	
Wilcox, Maude.....	New Rochelle, N. Y.
Columbia University, A.B.	

In 1899

Andrews Grace.....	New York City
Wellesley College, B.Sc.	
Belcher, Frances Spaulding.....	Farmington, Me.
Vassar and Radcliffe Colleges, A.B.	
Burt, Clara Maria.....	New York City
Wellesley College, B.Sc.	
Collin, Grace Lathrop.....	Brooklyn, N. Y.
Smith College, B.L.	
Comstock, Ada Louise.....	Moorhead, Minn.
Smith College, B.L.	
Dunn, Louise Brisbin.....	New York City
Columbia University, A.B.	

Farwell, Julia Hutchins.....	Wells River, Vt.
Columbia University, A.B.	
Gruening, Rose Bertha.....	New York City
Vassar College, A.B.	
Hughan, Jessie Wallace.....	Brooklyn, N. Y.
Columbia University, A.B.	
Mitchell, Caroline Tilden.....	St. Cloud, Minn.
Smith College, B.L.	
Myers, Susan Isabella.....	New York City
Columbia University, A.B.	
Perkins, Alice Jane Gray.....	Schenectady, N. Y.
Columbia University, A.B.	
Phillips, Sara Jay.....	New York City
Vassar College, A.B.	
Pyle, Ellen.....	London Grove, Pa.
Swarthmore College, A.B.	
Read, Elizabeth Fisher.....	Brooklyn, N. Y.
Smith College, B.L.	
Stratford, Aline Croquet.....	Brooklyn, N. Y.
Columbia University, A.B.	

The degree of BACHELOR OF ARTS has been conferred by Columbia University upon the students in Barnard College named in the following list :

In 1893

Farrant, Louise Grace.....	Jersey City, N. J.
Prepared by the Jersey City High School and private study; Teacher of Greek and Latin in the Jersey City High School, '93-	
Garretson, Jessie Boyne (Mrs. James Wells Finch, '96).....	New York City
Prepared by the Cambridge Latin School; Private tutor, '93-96; Student in Law at New York University, '96-99; LL.B., '99; Lecturer on Current History, '98-	
Keys, Alice Maplesden.....	New York City
Prepared by Classical School for Girls, and tutors; Private tutor, '93-96; Graduate Student in Political Science in Columbia University, '96- ; A.M., Columbia University, '97	
Knight, Clarita Mercedes (Mrs. Oscar Erlandsen, 1900).....	New York City
Prepared by the Normal College and tutors; Teacher in the Misses Merington's School, '95-99, and in Miss Reynolds' School, '96-98	
Levy, Laura Grace (Mrs. Harry F. Jackson, '96).....	New York City
Prepared by Miss Chisholm's School and tutors; Journalist on staff of the New York <i>Herald</i> , '93-96	
Kohn, Alice (Mrs. Sigmund Pollitzer, '93).....	New York City
Prepared by Miss Anne Brown's School	
Pullman, Mary Stuart.....	New York City
Prepared by the Classical School for Girls; Graduate Student in Greek in Columbia University, '93-94	
Stabler, Louise Merritt (Mrs. George H. Parker, '94). North Cambridge, Mass.	
Prepared by private study	

In 1894

Bridgart, Evangeline Rollinson (Mrs. Arthur R. Bauder, '96).....	Easton, Pa.
Prepared by the Jersey City High School	
Bryson, Ella Fitz Gerald (Mrs. F. G. Bryson).....	New York City
Prepared by the Normal College and tutors; Graduate student in Classical and Oriental Languages in Columbia University, '94-	
* Crocker, Helen Brigham.....	New York City
Prepared by the Boston High School; died, '95	
Demarest, Estella.....	Nanuet, N. Y.
Prepared by tutors; Teacher in private school in Rochester, N. Y., '94-95; Teacher in public school, Cranford, N. J., '96-99	
* Irwin, Agnes (Mrs. Charles Sears Baldwin, '94).....	New York City
Prepared by Miss Irwin's School, Philadelphia, and tutors; died, '97	
Jones, Eliza.....	Brooklyn, N. Y.
Prepared by the Brooklyn High School and tutors; Teacher in public schools Brooklyn, '97-98	
Landau, Laura.....	Brooklyn, N. Y.
Prepared by the Normal College and tutors	

In 1895

Brombacher, Caroline Garner.....	Brooklyn, N. Y.
Prepared by the Brooklyn High School and tutors; Private tutor, '95-96; Fellow in Greek, Bryn Mawr College, '96-97; Teacher of Latin and Mathematics in Erasmus Hall High School, Brooklyn, '97-	
Colgate, Florence.....	New York City
Prepared by the Brearley School; Graduate student in Sociology in Columbia University, '96-	
Lockwood, Louise Benedict.....	New York City
Prepared by Miss Low's School, Stamford, Conn.; Private tutor, and graduate student in Sociology in Columbia University, '95-96; Teacher in Miss Whiton's and Miss Bangs' School, New York City, '97-98; Private instructor, '98-	
Parsons, Mabel.....	New York City
Prepared by the Brearley School; Teacher in Miss Eaton's and Miss Wilson's School, '95-96; Graduate student in Political Science in Columbia University, '95-97; Teacher of Latin in Miss Chisholm's School, '97-	
Seligsberg, Alice Lillie.....	New York City
Prepared by tutors and private study; Private tutor, and teacher in the Park Avenue School, '95-	
Swenson, Celeste Castalia.....	Flushing, N. Y.
Prepared by the Flushing High School; Teacher in Harlem Collegiate Institute, New York City, '95-98; Teacher of English in the High School, Paterson, N. J., '98-	
Tatlock, Jean Willard.....	Stamford, Conn.
Prepared by Miss Low's School, Stamford, Conn.; Teacher in Miss Spence's School, New York City, '95-	
Whithed, Gratia Eaton.....	New York City
Prepared by the Classical School for Girls; Private tutor, '95-98; Teacher in Kent Place School, Summit, N. J., '98-	

* Dead

In 1896

Chase, Alice Goddard.....	Brooklyn, N. Y.
Prepared by the Packer Collegiate Institute; Head of a school in Schenectady, N. Y., '96-98; Teacher of English in Berkeley Institute, Brooklyn, '98-	
Clews, Elsie Worthington.....	New York City
Prepared by Mlle. Ruel's School; Graduate student in Political Science and Philosophy in Columbia University, '96-; A.M., '97; Ph.D., '99	
Hammerslough, Carrie.....	New York City
Prepared by Dr. Sachs' School; Graduate student in Mathematics in Columbia University, '96-; A.M., '97; Private tutor, '98-	
Harris, Mary Bradford.....	New York City
Prepared by the Flushing High School; Graduate student in Latin in Columbia University, '96-97, '99-	
Harte, Ada Hinde (Mrs. William R. Arnold, '97).....	New York City
Prepared by Miss Martha Thompson's School	
Mellick, Anna Cole.....	New York City
Prepared by the Orange High School; Teacher of Latin in the Brearley School, '96-	
Meltzer, Clara	New York City
Prepared by tutors; Student in the Medical School, Johns Hopkins University, '96-	
Place, Louise.....	New York City
Prepared by St. Mary's School; Graduate student in Latin in Columbia University '96-97, '99-; Teacher in St. Mary's School and tutor, '96-	
Pollock, May Hinton.....	New York City
Prepared by the Normal College and tutors	
Potter, Eva Sherwood.....	Brooklyn, N. Y.
Prepared by the Packer Collegiate Institute; Graduate student in History in Columbia University, '96-97	
Roper, Mary Rogers.....	Pelham Manor, N. Y.
Prepared by Miss Low's School, Stamford, Conn.; Student in Classics in Lady Margaret Hall, Oxford, Eng., '96-97; Teacher at the Brearley School, '97-98; Head teacher in the School of St. John the Baptist, '98-	
Stettheimer, Ettie.....	New York City
Prepared by tutors; Graduate student in Philosophy in Columbia University, '96-99; A.M., '97	
Stone, Mary Matilda.....	Brooklyn, N. Y.
Prepared by the Packer Collegiate Institute; Junior teacher of Mathematics and English in the Erasmus Hall High School, Brooklyn, '98-	
Sutphen, Anne Janet.....	Newark, N. J.
Prepared by the Newark High School and tutors; Private tutor, '97-98	
Tucker, Clementine (Mrs. Almus G. Ruddel, '98).....	Indianapolis, Ind.
Prepared by the Newark High School; Teacher in the Newark High School, '96-98	
Van Riper, Bertha Steele.....	New York City
Prepared by the Jersey City High School	
Wendover, Jessie May.....	Newark, N. J.
Prepared by the Newark High School and tutor	
Wolff, Gertrude.....	New York City
Prepared by Dr. Sachs' School; Teacher of Latin and Greek in the Park Avenue School, '96-	

In 1897

Baldwin, Agnes.....	New York City
Prepared by the Newark High School; Graduate student in Classics in Columbia University, and private tutor, '97-98; Teacher in Barnard Classes, '98-	
Brown, Adelaide Wells.....	Brooklyn, N. Y.
Prepared by the Brooklyn High School; Teacher in the Lockwood Academy, Brooklyn, '97-98; Teacher in the Jamaica High School, '98-	
Bucknam, Edith Phœbe.....	Brooklyn, N. Y.
Prepared by the Brooklyn High School; Student at Pratt Institute Library School, '97-98; Cataloguer in Library of the Sound Currency Committee of the Reform Club of N. Y. and in the Library of the University of Pennsylvania, '98-99	
Dobbs, Mary Bergmann.....	New York City
Prepared by the Brooklyn High School	
Dowden, Florence Anderson.....	Newark, N. J.
Prepared by the Collegiate School; Teacher in the Belleville High School, Belleville, N. J., '97-98; Student at Oxford University, Eng., '98-99; Graduate student in Columbia University, '99-	
Dunn, Louise Brisbin.....	Jamaica, N. Y.
Prepared by Miss Vidaud's School, Brooklyn; Assistant in Botany at Barnard College, and graduate student in Botany and Zoölogy at Columbia University, '97-99; A.M., '99; Tutor in Barnard College, '99-	
Elkus, Estelle.....	New York City
Prepared by Dr. Sachs' School; Private tutor, and graduate student in Columbia University, '97-98; Member of the Kindergarten Training Class of the Normal College, '98-	
Fenton, Lovina Grace.....	New York City
Prepared by the Pulaski High School; Private tutor, and teacher in the Misses Wreaks' School, '97-99	
Ferry, Alice Medora.....	Mt. Vernon, N. Y.
Prepared by public and private schools and tutors; Teacher in Darlington Seminary, Westchester, Pa., '97-98; Teacher in Mathematics and Greek in the High School, Mt. Vernon, N. Y., '98-	
Fletcher, Nellie Priscilla.....	Brooklyn, N. Y.
Prepared by private study; Teacher in the Arlington Public High School, '97-98; Teacher of English in the High School, Kearny, N. J., '98-	
* Hall, Alma Cordelia.....	New York City
Prepared by St. Mary's High School; died, '98	
Junge, Antonie.....	Brooklyn, N. Y.
Prepared by private tutors and the Brooklyn High School; Teacher of German in the Brooklyn Girls' High School, '95-	
Locke, Anna Mary.....	Indianapolis, Ind.
Prepared by private study; Teacher in Dearborn-Morgan Institute, Orange, N. J., '97-98; Teacher of English in the High School, Indianapolis, Ind., '98-	
Matthews, Myra Emilie.....	Orange, N. J.
Prepared by the Park Classical School, New York City; Teacher in Miss Margaret Townsend's School, Westchester, Pa., '97-98	
More, Mary Baldwin	Mt. Vernon, N. Y.
Prepared by tutors; Private tutor, '97-	

* Dead.

Sackett, Edith Rice.....	New York City
Prepared by the Classical School for Girls; Teacher in Miss Chisholm's School, '98-	
Shaw, Louise.....	Hackensack, N. J.
Prepared by Miss Crocker's School, New York City; Graduate student in Political Science in Columbia University, '97-99	
Stratford, Aline Croquet.....	Brooklyn, N. Y.
Prepared by the Yonkers High School; Private tutor, and graduate student in Romance Languages in Columbia University, '97-99; A.M., '99; Private tutor, '98-	
Sumner, Anne Porter.....	New York City
Prepared by St. Mary's School; Private tutor, and graduate student in Sociology in Columbia University, '97-	
Uppercu, Mary Lillian.....	Newark, N. J.
Prepared by the Packer Collegiate Institute; Teacher in the Newark Public School, '97-98; Teacher in the Newark High School, '98	
Wheelock, Adaline Caswell.....	New York City
Prepared by tutors; Private tutor, and graduate student in Literature in Columbia University, '97-98; Teacher in Barnard Classes, '98-	
Wilcox, Maude.....	New Rochelle, N. Y.
Prepared by the Brooklyn High School; Graduate student in Economics in Columbia University, '97-; A.M., '99; Teacher of Latin and Mathematics in St. Mary's School, '98-	

In 1898

Alward, Fannie Isabel.....	Elizabeth, N. J.
Prepared by private study; Teacher of Mathematics and German in the High School, Caldwell, N. J., '98-	
Berg, Clara de Lissa.....	New York City
Prepared by tutors; Graduate student in Columbia University, '98-99	
Boetzkes, Edith Helen.....	Bensonhurst, Brooklyn, N. Y.
Prepared by tutors; Teacher of French, German, and Latin in the Fort Edward Collegiate Institute, Fort Edward, N. Y., '98-99; Graduate student in German in Columbia University, '99-	
De Hart, Louise Fuller.....	Jersey City, N. J.
Prepared by the Jersey City High School; Teacher in Rosemary Hall, Wallingford, Conn., '98-	
Farwell, Julia Hutchins.....	Wells River, Vt.
Transferred from Radcliffe College; Teacher at "The Castle," Tarrytown, N. Y., '98-	
Hall, Anne Richardson.....	Kansas City, Mo.
Transferred from Smith College	
Hawkins, Katharine Stockton.....	New Brighton, S. I.
Prepared by the Trinity School, New Brighton; Teacher of Latin in St. Katharine's Hall, Davenport, Iowa, '98-99	
Hughan, Jessie Wallace.....	Brooklyn, N. Y.
Prepared by the Northfield Seminary, Northfield, Mass.; Graduate Scholar in Political Science, Columbia University, '98-99; A.M., '99	
Lacey, Louise Elizabeth.....	Brooklyn, N. Y.
Prepared by the Brooklyn Heights Seminary	

Lathrop, Ella Roselle.....Bridgeport, Conn.
 Prepared by the Bridgeport High School; Teacher of Classics in the Delaware Academy, Delhi, N. Y., '98-99; Graduate scholar in Greek in Columbia University, '99-

Meyer, Anna Emily Helen.....New York City
 Prepared by Miss Gibbons' School; Private tutor, '98-99

Myers, Susan Isabella.....New York City
 Prepared by tutors; Graduate scholar in Greek, in Columbia University, '98-; A., M '99

Osborne, Eleanor Frances.....New York City
 Prepared by the Collegiate School; Teacher in Barnard Classes, '98-

Perkins, Alice Jane Gray.....Schenectady, N. Y.
 Prepared by private study; Graduate scholar in Latin, in Columbia University, '98-; A.M., '99; Teacher in private classes, New York City

Sargent, Jane Isabel.....Montclair, N. J.
 Prepared by the Montclair High School; Instructor in Classics, and First Assistant in the High School, Belleville, N. J., '98-

St. Clair, Helen (Mrs. George V. Mullan, '99).....Nyack, N. Y.
 Prepared by the Classical School for Girls; Conducting College Preparatory Classes, '98-

Stern, Stella George.....New York City
 Prepared by the Sophie Newcomb Memorial College and tutors; Private tutor, '98-

Von Sholly, Anna Isabellé.....Flushing, N. Y.
 Prepared by the Flushing High School; Student in Cornell University Medical College, New York City, '98-

Watterson, Ada.....New York City
 Transferred from Smith College; Graduate Student in Science, Columbia University, '98-; Assistant in Botany, Barnard College, '99-

Wells, Ida Eloise.....Rahway, N. J.
 Prepared by the Misses Vail's and Deane's School, Elizabeth, N. J.; Teacher of English and Mathematics in Miss Whiton's and Miss Bangs' School, New York City, '98-

Wyman, Elizabeth Heywood.....Bloomfield, N. J.
 Transferred from Wellesley College; Teacher of English in the High School, Bloomfield, N. J., '98-

In 1899

Bloomingdale, Rosalie.....New York City
 Prepared by Private Schools and tutor

Brackett, Mary Morrell.....New York City
 Prepared by the Normal College and tutor

Demarest, Ida May.....Jersey City, N. J.
 Prepared by the Jersey City High School and tutor

Dickson, Agnes Lillian.....Jersey City, N. J.
 Prepared by the Jersey City High School

Drew, George Mary.....West Orange, N. J.
 Prepared by the Orange High School

Duer, Alice (Mrs. Harry Wise Miller '99).....New York City
 Prepared by tutors

Gildersleeve, Virginia Crocheron.....	New York City
Prepared by the Brearley School and tutor	
Goodale, Grace.....	Potsdam, N. Y.
Prepared by the State Normal School	
Hoffman, Adelaide Camilla.....	Brooklyn, N. Y.
Prepared by the Brooklyn Girls' High School	
Jacobi, Marjorie (Mrs. George McAneny, 1900).....	New York City
Prepared by Miss Gibbons' School	
Kupfer, Elsie Mabel.....	New York City
Prepared by the Normal College and tutor	
Oakley, Helen Marion.....	Jersey City, N. J.
Prepared by the Hasbrouck Institute and tutor	
Ornstein, Martha.....	New York City
Prepared by Miss Gibbons' School	
Overton, Ruth Cecilia.....	Brooklyn, N. Y.
Prepared by St. Catherine's Hall, Brooklyn	
Reynaud, Aurélie Marie.....	Mount Vernon, N. Y.
Prepared by tutor	
Seligsberg, Ella Rosina.....	New York City
Prepared by Private Schools and tutor	
Smith, Anna Mabel.....	Jersey City, N. J.
Prepared by the Jersey City High School	
Stilwell, Alté.....	New York City
Prepared by the Classical School for Girls and the Horace Mann School	
Striker, Edith Parker.....	East Orange, N. J.
Prepared by the East Orange High School and English Classical School	
Waddington, Mary Elizabeth.....	New York City
Prepared for advanced standing by Bryn Mawr College, Radcliffe College, and tutors	
Wohlfarth, Amelia.....	New York City
Prepared by the Horace Mann School	

CERTIFICATES IN BOTANY

The certificate of completion of the course in Botany has been awarded to the students named in the following list:

In 1895

Dow, Bertha McLean.....	New York City
Isaacs, Alice Maria.....	New York City
McEwen, Marion Chittenden.....	Brooklyn, N. Y.
Pearson, Agnes Lillie.....	Mt. Vernon, N. Y.
Satterlee, Marion.....	New York City

In 1896

Atwater, Jane Leonard	Brooklyn, N. Y.
Burnett, Katharine Cleveland.....	New York City
Elder, Harriet Bigelow.....	Pittsfield, Mass.
Taylor, Alexandrina.....	Mamaroneck, N. Y.

In 1897

Watterson, Ada..... New York City

In 1898

(Not awarded)

In 1899

Crane, Aurelia Blair..... Scarsdale, N. Y.

SCHOLARSHIPS

The Hartley House Fellowship has been awarded as follows:

In 1898

Cody, Lydia Sarah..... Cleveland, O.

In 1899

Clews, Elsie Worthington..... New York City

The Trustees' Competitive Scholarship has been awarded as follows:

In 1890

Bridgart, Evangeline Rollinson..... Jersey City, N. J.

In 1891

Tatlock, Jean Willard..... Stamford, Conn.

In 1892 and 1893

(Not awarded)

In 1894

Wells, Ida Eloise..... Rahway, N. J.

In 1895

Striker, Edith Parker..... East Orange, N. J.

In 1896

Ornstein, Martha..... New York City

In 1897

Wendell, May Godfrey..... Bridgeport, Conn.

In 1898

Peters, Grace Malvina..... Brooklyn, N. Y.

In 1899

Seguine, Laura Randolph..... Rosebank, S. I.

The Herrman Botanical Scholarship has been awarded as follows:

In 1892

Pettit, Anna Stockton (Mrs. Herbert Pettit)..... Lawrence Station, N. Y.

In 1893

Pettit, Anna Stockton (Mrs. Herbert Pettit)..... Lawrence Station, N. Y.

In 1894

Seward, Lidie Kimber..... New York City

In 1895

Seward, Lidie Kimber..... New York City

In 1896

Long, Emilie Olivia..... New York City

In 1897 the Botanical Scholarship was by the wish of Mrs. Herrman transformed into a Botanical Prize.

The Brooklyn Scholarships have been awarded as follows:

In 1896
(Not awarded)

In 1897

Wright, Helen Maria..... Brooklyn, N. Y.

In 1898

Neiswender, Ada Blanche Clouse..... Brooklyn, N. Y.

Peters, Grace Malvina..... Brooklyn, N. Y.

Seibert, Jeannette Rowland..... Brooklyn, N. Y.

In 1899

Harrison, May Frederica..... Brooklyn, N. Y.

Johnson, May Amerman..... Brooklyn, N. Y.

Skinner, Madeleine Dayrell..... Brooklyn, N. Y.

The Lucille Pulitzer Scholarship has been awarded as follows:

In 1899

King, Helen Louise..... New York City

PRIZES

The Kohn Mathematical Prize has been awarded as follows:

In 1893

Levy, Laura Grace..... New York City

In 1894
(Not awarded)

In 1895

Brombacher, Caroline Garner..... Brooklyn, N. Y.

In 1896

Hammerslough, Carrie..... New York City

In 1897

Elkus, Estelle..... New York City

In 1898

Wells, Ida Eloise..... Rahway, N. J.

In 1899

Duer, Alice..... New York City

The Herrman Botanical Prize has been awarded as follows:

In 1897, in 1898, and in 1899

Kupfer, Elsie Mabel..... New York City

The Sophomore Chemistry Prize has been awarded as follows:

In 1895

Dunn, Louise Brisbin..... Jamaica, N. Y.

In 1896

St. Clair, Helen..... New York City

In 1897

Kupfer, Elsie Mabel..... New York City

In 1898

Wurzburger, Julie..... New York City

In 1899

Chapin, Edna Cara..... Mt. Vernon, N. Y.

The Hoblitzell Medal has been awarded as follows:

In 1898

Myers, Susan Isabella..... New York City

In 1899

Striker, Edith Parker..... East Orange, N. J.

STATISTICS

The following tabular statement indicates the growth of the College from its foundation :

	1889 to 1890	1890 to 1891	1891 to 1892	1892 to 1893	1893 to 1894	1894 to 1895	1895 to 1896	1896 to 1897	1897 to 1898	1898 to 1899	1899 to 1900
UNDERGRADUATES :											
Seniors.....	.....	.....	.....	8	7	9	18	21	22	24	40
Juniors.....	.....	7	7	9	18	21	22	23	24	24	40
Sophomores	8	7	10	20	18	22	21	28	38	38	37
Freshmen (regular).	4	7	16	26	23	26	20	21	38	45	54
" (partly regular)	10	4	.....	.....	.....	.....	.....	.....	.....	.....	.....
	14	19	30	51	59	71	81	85	111	131	171
GRADUATE STUDENTS.											
.....	12	5	5	18	19	33	49	58	75	82	
SPECIAL STUDENTS.											
.....	.....	.....	.....	.....	.....	45	38	28	21		
Botany.....	12	17	22	30	22	26	19	.....	.....	.....	.....
Chemistry.....	10	5	5	2	7	3	3	.....	.....	.....	.....
Political Science.....	.....	.....	.....	.....	.....	II	.....	.....	.....	.....	.....
MUSIC STUDENTS.											
.....	.....	.....	.....	.....	.....	.....	24	20	37	41	
STUDENTS FROM TEACHERS COLLEGE											
.....	.....	.....	.....	.....	.....	.....	.....	7	8	18	
	22	34	32	37	47	48	66	118	123	148	163
TOTAL REGISTRATION											
36	53	62	88	106	119	147	203	234	279	333	
DEGREES CONFERRED :											
A.B.....	.....	.....	.....	8	7	8	18	22	22	21	....
A.M.....	.....	.....	.....	.....	2	1	9	11	11	16	....
Ph.D.....	.....	.....	.....	.....	.....	1	.....	.....	2	2	....

In view of the fact that this is the third year since the new curriculum went into operation, it may be of interest to see what effect has been produced on studies that were formerly required by making them elective. A tabular comparative statement of attendance on elective courses by all four classes of undergraduates for the academic years 1898-99 and 1899-1900 is, therefore, appended herewith.

	1898-99		1899-1900	
	NUMBER OF ELECTIVE COURSES	NUMBER OF STUDENTS	NUMBER OF ELECTIVE COURSES	NUMBER OF STUDENTS
Anthropology.....	1	1	1	3
Astronomy.....	1	4	.....	.....
Botany.....	3	12	2	10
Chemistry.....	3	20	3	15
Economics.....	5	31	6	73
Education.....	6	15	12	71
English.....	3	32	3	88
French.....	6	71	6	101
German.....	7	53	10	77
Greek.....	6	68	8	84
History.....	4	27	6	92
Italian.....	2	6	4	19
Latin.....	8	83	12	146
Mathematics.....	8	67	7	92
Music.....	1	1	2	5
Philosophy.....	2	21	5	68
Physics.....	2	14	3	28
Rhetoric.....	3	15	4	78
Romance Philology.....	.....	.....	1	1
Romance Seminar.....	.....	.....	1	1
Sociology.....	1	12	1	12
Zoölogy.....	2	12	2	14

Academic Calendar

1900—June 10—Sunday, Baccalaureate sermon.
June 12—Tuesday, Class day.
Last day for filing teachers' certificates of candidates for admission.
June 13—Wednesday, Commencement day.
June 18—Monday, Examinations for admission to the College begin.
Sept. 5—Wednesday, Last day for filing applications by deficient students for examinations.
Sept. 17—Monday, Last day for filing teachers' certificates of candidates for admission.
Sept. 24—Monday, Examinations for admission to the College begin.
Oct. 1—Monday, First half-year, 12th year, begins.
Oct. 15—Monday, Last day of registration to obtain credit for residence for the full academic year.
Oct. 27—Saturday, Last day for payment of first term fees.
Nov. 6—Tuesday, Election day, holiday.
Nov. 29—Thursday, Thanksgiving day, holiday.
Nov. 30—Friday, holiday.
Dec. 1—Saturday, holiday.
Dec. 15—Saturday, Last day for notifying the Dean of the choice of subjects for Graduation Theses.
Dec. 22—Saturday
to
1901—Jan. 2—Wednesday, Christmas holidays.
Jan. 3—Thursday, Exercises of the College resumed.
Jan. 28—Monday, Mid-year examinations begin.
Feb. 9—Saturday, First half-year ends.
Feb. 11—Monday, Second half-year begins.
Feb. 12—Tuesday, Lincoln's birthday, holiday.
Feb. 16—Saturday, Last day for payment of second term fees.
Feb. 20—Ash-Wednesday, holiday.
Feb. 22—Friday, Washington's birthday, holiday.
April 2—Tuesday, Last day for handing in Graduation Theses.
April 5—Good Friday, holiday.
May 1—Wednesday, Last day for filing applications for Scholarships and submitting essays for the Bunner medal.
May 20—Monday, Final examinations begin.
Last day for filing lists of elective courses.

May 30—Thursday, Memorial Day, holiday.

June 9—Sunday, Baccalaureate sermon.

June 11—Tuesday, Class day.

 Last day for filing teachers' certificates of candidates for admission.

June 12—Wednesday, Commencement day.

June 17—Monday, Examinations for admission begin.

Sept. 4—Wednesday, Last day for filing applications by deficient students for examinations.

Sept. 23—Monday, Last day for filing teachers' certificates of candidates for admission.

Sept. 30—Monday, Examinations for admission begin.

Oct. 7—Monday, First half-year, 13th year, begins.

APPENDIX

AGREEMENT BETWEEN THE TRUSTEES OF COLUMBIA COLLEGE IN THE CITY OF NEW YORK AND BARNARD COLLEGE, NEW YORK CITY

THIS AGREEMENT, made the nineteenth of January, 1900, between

THE TRUSTEES OF COLUMBIA COLLEGE IN THE CITY OF NEW YORK, and BARNARD COLLEGE (hereinafter referred to respectively as "Columbia University" or "the University," and "Barnard College"),

WITNESSETH :

For the purpose of incorporating Barnard College, a college for women, in the educational system of the University, it is mutually covenanted and agreed :

FIRST. That the President of the University shall be, *ex-officio*, President of Barnard College, and if not already a Trustee of Barnard College he shall be so elected at the earliest opportunity. He shall preside at the meetings of the Faculty of Barnard College and shall have general supervision and direction of the educational administration of such College as in the other schools of the University.

SECOND. That the internal administration of Barnard College shall be conducted by a Dean who shall be appointed by the President of the University, by and with the advice and consent of the Trustees of Barnard College. In the absence of the Dean, an Acting Dean may be appointed by the President.

THIRD. That Barnard College shall be represented in the University Council of Columbia University by its Dean who shall have the right to vote in the University Council upon all questions. The Faculty of Barnard College shall consist of the President, the Dean, and all the professors on the staff of the University who give instruction in Barnard College. Whenever Barnard College shall maintain ten or more professors in its Faculty it shall be entitled to a representative in the Council additional to the Dean.

FOURTH. That Barnard College shall provide for, support and maintain such officers of instruction as may, from time to time, be agreed on, as follows, to wit :

They shall be nominated by the Dean of Barnard College, with the approval of the Trustees of Barnard College and of the President of the University, and

shall be appointed and reappointed by the University according to its custom. Their standing shall be the same in all respects as that of other like officers in the University—For all services rendered in the University by officers so appointed an equivalent amount of service shall be rendered in Barnard College by other officers of the University of like grade, as may be determined from time to time, with the consent of the officers concerned, by the Dean of the College and the President of the University.

Members of the Faculty of Barnard College may be either men or women.

In the month of January in each year, or at such other time as may be mutually agreed upon, the Dean of Barnard College, with the approval of the Trustees of Barnard College, and after conference with the heads of Departments in such College, shall submit to the President of the University a statement, showing :

First. The estimated number of the students in each Class at Barnard College for whom instruction is to be provided during the next academic year.

Second. The number and grade of officers of instruction, and amount of service desired in each subject.

Such statement shall be subject to the approval and revision of the President, upon all questions not reserved by this agreement to the Trustees or Dean of Barnard College.

FIFTH. That, on and after July 1st, 1904, all of the instruction for women leading to the degree of Bachelor of Arts shall be given separately in Barnard College, except that courses open to Seniors of Columbia College which are counted towards a Teachers College diploma shall continue to be open to Seniors in Barnard College. Barnard College will assume as rapidly as possible all of the instruction for women in the Senior year, other than the courses leading towards a Teachers College diploma, without regard to the time limit contained in this section, and undertakes to maintain every professorship established at its instance, as hereinbefore provided, so long as the services of the incumbent thereof or an equivalent therefor shall be rendered in Barnard College ; and when Barnard College has adequately provided for its undergraduate work, it will, as its means allow, establish additional professorships in the University, upon foundations providing for courses which shall be open to men and women, to the end that opportunities for higher education may be enlarged for both men and women.

SIXTH. That the University will accept women who have taken their first degree on the same terms as men, as students of the University, and as candidates for the degrees of Master of Arts and Doctor of Philosophy under the Faculties of Philosophy, Political Science and Pure Science, in such courses as have been or may be designated by these Faculties, with the consent of those delivering the courses, and will make suitable provision for the oversight of such women.

The University will confer the degree of Bachelor of Arts upon the students of Barnard College who shall have satisfactorily fulfilled in Barnard College the requirements of the University Statutes for that degree. The courses in Barnard

College leading to the degree of Bachelor of Arts shall be determined and administered by its own Faculty, and all examinations for admission to Barnard College and in course shall be conducted under the authority of the Faculty of Barnard College. The diploma shall be signed by the President of the University and by the Dean of Barnard College. The degree of Bachelor of Arts conferred upon the graduates of Barnard College shall be maintained at all times as a degree of equal value with the degree of Bachelor of Arts conferred upon the graduates of Columbia College. The equivalency of the two degrees shall be maintained in such manner as the University Council may prescribe.

SEVENTH. That, so long as this Agreement is in force, Barnard College shall grant no degrees. It shall retain the right to grant certificates to students not candidates for a degree, and it shall exercise all other corporate rights and powers which are not delegated to the University by this Agreement. But this Agreement shall not be deemed a surrender by Barnard College of any powers conferred upon it by charter.

EIGHTH. That Barnard College shall retain its separate corporate organization, and that the Trustees of Barnard College shall continue to provide for the financial support thereof; it being distinctly understood and agreed that the University is and shall be under no implied obligation, responsibility, or liability, of any kind whatsoever, for the maintenance, support, direction, or management of Barnard College, or for the disbursement of the income thereof, except as stated in Section 4 of this Agreement; and that all and every such obligation or liability shall be strictly limited to the duties and obligations expressly and in terms assumed and agreed to by the University.

NINTH. That for each student of Barnard College pursuing courses in the University in the Senior year leading to a degree, Barnard College shall pay the University at the rate of \$10 an hour per week throughout the year, with a maximum fee of \$120 a year for any one student.

TENTH. That the libraries of the University and of Barnard College shall be open upon equal terms to all women students of the University and of Barnard College.

ELEVENTH. This Agreement may be modified at any time by mutual consent expressed in writing, and may be terminated at the end of any academic year, after one year's notice in writing from either party to the other.

TWELFTH. This Agreement shall take effect immediately.

